



U.S. Army Environmental Center

USAEC TECH INFO CTR

US ARMY ENVIRONMENTAL CENTER ABERDEEN PROVING GROUND MD 21010-5401

DO NOT REMOVE FROM FACILITY

AD-A280 437

REMEDIAL INVESTIGATION BADGER ARMY AMMUNITION PLANT

BARABOO, WISCONSIN

FINAL
REMEDIAL INVESTIGATION REPORT
APPENDIX
DATA ITEM A009

APPENDICES D.2 THROUGH F VOLUME 2 OF 7





CONTRACT DAAA15-91-D-0008

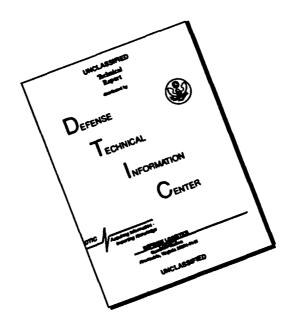
Unlimited Distribution
Approved for Public Release

UNITED STATES ARMY
TOXIC AND HAZARDOUS MATERIALS AGENCY
ABERDEEN PROVING GROUND, MARYLAND

Printed on Recycled Paper

94 6 10 1:2

DISCLAIMER NOTICE



THIS DOCUMENT IS BEST QUALITY AVAILABLE. THE COPY FURNISHED TO DTIC CONTAINED A SIGNIFICANT NUMBER OF PAGES WHICH DO NOT REPRODUCE LEGIBLY.

REMEDIAL INVESTIGATION BADGER ARMY AMMUNITION PLANT

APPENDICES

APPENDIX A	LOCATION-SPECIFIC AND CHEMICAL-SPECIFIC APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS	Vol. 1
APPENDIX B	SOIL VAPOR SURVEY	Vol. 1
APPENDIX C	SURFACE GEOPHYSICAL SURVEY	Vol. 1
APPENDIX D	DRILLING AND SOIL SAMPLING PROGRAM	Vol. 1
	D.1 Test Pit, Soil Boring, and Monitoring Wells Boring Logs	Vol. 1
	D.2 Field Data Records - Soil, Sediments, and Surface Water	Vol. 2
	D.3 Monitoring Well Construction Diagrams	Vol. 2
	D.4 Well Development Records	Vol. 2
	D.5 Regional Water Supply Well Logs	Vol. 2
APPENDIX E	BOREHOLE GEOPHYSICAL SURVEY	Vol. 2
APPENDIX F	HORIZONTAL AND VERTICAL SURVEY	Vol. 2
APPENDIX G		
	DATA RECORDS	Vol. 3
	G.1 Groundwater Elevation Data	Vol. 3
	G.2 Field Data Records - Round I and II	Vol. 3
	G.3 Field Data Records - Round One	Vel. 3
	G.4 Field Data Records - Round Two	Vol. 3
	G.5 Field Data Records - BAAP Production Well No. 2	Vol. 3
APPENDIX H	HYDROGEOLOGIC DATA	Vol. 3
	H.1 Recharge Estimates	Vol. 3
	H.2 Gradient Calculations	Vol. 3
	H.3 Velocity Calculations	Vol. 3
	H.4 Preliminary Aquifer Test Results IRM	Vol. 3
	H.5 High Capacity Well Survey	Vol. 3
	H.6 Production Well No. 4 Zone-of-Influence	Vol. 3
APPENDIX I	HYDRAULIC CONDUCTIVITY TEST RESULTS	Vol. 3
APPENDIX J	AQUIFER TESTING AND MODELING	Vol. 3
	J.1 Aquifer Pumping Test	Vol. 3
	J.2 Regional Groundwater Flow Model	Vol. 3
	J.3 Propellant Burning Ground Groundwater Flow Model	Vol. 3

W0039213LST.APP080 6853-12

REMEDIAL INVESTIGATION BADGER ARMY AMMUNITION PLANT

APPENDICES

(continued)

Accesio	n For		
NTIS DTIC Unanno Justific	TAB ounced	X :	
By	ution /		
A	vailabilit	y Codes	
Dist		and / or ecial	
A-1			- بردست
		Vol. 4	-

APPENDIX K -	CHEMICAL DATA TABLES	Vol. 4
	K.1 Flagging Codes for Chemical Data Tables	Vol. 4
	K.2 Soil Data - Surface, Subsurface, and Sediment	Vol. 4
	K.3 Surface Water Data	Vol. 4
	K.4 Groundwater Data - Round I (September 1990)	
	and Round II (October 1990)	Vol. 4
	K.5 Groundwater Data - Round One (November/	
	December 1991) and Round Two (April/May 1992)	Vol. 5
APPENDIX L -	DATA QUALITY REPORT	Vol. 6
	L.1 BAAP Production Well No. 2 Water Quality Assessment	Vol. 6
	L.2 USATHAMA-certified Analytical Methods	Vol. 6
	L.3 Laboratory Quality Control Data	Vol. 6
	L.4 Summary of Nontarget, Library Searched Compounds	
	Detected in RI Analytical Program	Vol. 6
	L.5 USATHAMA-approved Laboratory Control Charts	Vol. 6
	L.6 ABB-ES Groundwater Screening Results	Vol. 6
	L.7 Selection of Analytical Results In the	
	Case of More Than One Analytical Method	Vol. 6
	L.8 USATHAMA/USEPA Split Groundwater Samples	Vol. 6
APPENDIX M -	CALCULATIONS FOR PARAMETERS USED	
	IN RISK ASSESSMENT	Vol. 7
APPENDIX N -	IRIS FILES FOR COMPOUNDS OF POTENTIAL CONCERN	Vol. 7
APPENDIX O -	HUMAN HEALTH RISK CALCULATIONS	Vol. 7
APPENDIX P -	INVENTORY OF SITE SPECIES	Vol. 7
APPENDIX Q -	EXPOSURE PARAMETERS OF SITE SPECIES	Vol. 7
APPENDIX R -	ECOLOGICAL RISK CALCULATIONS	Vol. 7

Appendix D.2

Field Data Records - Soil, Sediments, and Surface Water

W0039213D.APP 6853-12

This Page Intentionally Left Blank.

ABB ENVIRONMENTAL SERVICES, INC	page <u>2</u> of <u>8</u>
LD DATA RECORD - SEDIMENT FIELD SAMPLING NUM	BER B9101000 SAMPLING DATE 10.2.91
PROJECT USATHAMA-BAAP SITE T	YPE POND FILE NAME CSO
SITE 10 B P S - 9 1 - 01 JOB NUM	BER 6853-04
LOCATION START: 0935 END: 0950	
SEDIMENT DATA	
DEPTH OF SEDIMENT SAMPLE 0-3 1 IN CLAY SAND ORGANIC (Trace)	EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED GRAVITY CORER TULIP BULB PLANTER TULIP BULB PLANTER POTABLE MATER WITH
TYPE OF SAMPLE DISCRETE STATE GRAVEL OTHER	S.S. HAND SPOON HIGH PRESSURE ALUMINUM PAN OTHER PLASTIC SCOOP OTHER
SAMPLE OBSERVATIONS COLORED AMBIENT O.	O PPH LOCATION [1.0 PPM PH NA UNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION	VOLUME SAMPLE
NUMBER METHOD APP METALS (SPECIFIED BELOW) A DEG C	REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS
AL JS12 4 DEG C	1165/
NA 4 DEG C 4 DEG C 4 DEG C	
CR 4 DEG C	DC (ILES /)
JD21 4 DEG C	<u> </u>
TCLP METALS (SPECIFIED BELOW) 4 DEG C	DC { 1166 / / / / / / / / / / / / / / / / /
SO4 KTO7 4 DEG C NH3N2 USEPA 350.2 4 DEG C	
USEPA CE-81-1 4 DEG C	EA EA
" VOC LM23 4 DEG C " BN/A LM25 4 DEG C	DC \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
I LW27 4 DEG C	
I HAM LNOS 4 DEG C LH23 4 DEG C	
. Н	
ļ	
NOS * THESE ARE DATACHEM METHODS. EA METHOD	s: VOC LM17, LM26
(LOCATION SKETCH)	B/NA LM20 BE, CD, CR ,CU, PB, HG, NI, SB, SE, TL, ZN.
J\$12, B	9, JD21, JD20, Y9.
TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24	
DC: 15 bottle	4
EA: 1 bottle	
40 40 00	1 RP11).91.01
See data shee for diagn	in.
	um/m
	SIGNATURE: YIT!/IIC
	RECEIVED BY: Warry E. KOZA

	
ABB ENVIRONMENTAL SERVICES, INC	PAGE 4 OF 8
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER	69102000 SAMPLING DATE 10.2.91
PROJECT USATHAMA-BAAP SITE TYPE	POND FILE NAME CSO
SITE 10 B P 5 - 9 1 - 0 2 JOB NUMBER	6853-04 WEATHER PTT. SUNNY, "60"S.
ACTIVITY START: (100 END: (130	
SEDIMENT DATA	
DEPTH OF TYPE OF SEDIMENT:	GRAVITY CORER GRAVITY CORER TULIP BULB PLANTER GRAVITY CORER TULIP BULB PLANTER POTABLE WATER WITH
SAND (fine)	S.S. HAND SPOON HIGH PRESSURE
TYPE OF SAMPLE DISCRETE SILT COLLECTED COMPOSITE GRAVEL OTHER	ALUMINUM PAN OTHER
SAMPLE CBSERVATIONS QOOR	OTHER
COLORED dk. green blacky AIR 0.0	PPM LOCATION O, O PPM pH NA UNITS
ANALYTICAL PARAMETERS	
METHOD PRESERVATION VOLU NUMBER METHOD REQUI	
PP METALS (SPECIFIED BELOW) 4 DEG C AL JS12 4 DEG C CA 4 DEG C	
∐NA 4 DEG C	
D CP	DC DC
NG Y9 4 DEG C PB JD21 4 DEG C	<u> </u>
TCLP METALS (SPECIFIED BELOW) 4 DEG C WHIT KF17 4 DEG C 2504 KT07 4 DEG C	DK \$ 1181
MAH3N2 USEPA 350.2 4 DEG C	5.0
TIOC USEPA CE-81-1 4 DEG C	EA
*** LM23 4 DEG C **** BN/A LM25 4 DEG C	DC { 1183 1188
LING LW27 4 DEG C LNOS 4 DEG C	
DNT LW23 4 DEG C	
NOS * THESE ARE DATACHEM METHODS. EA METHODS: VOC	C LM17, LM26
	NA LM20
	21, JD20, Y9.
JS12, 40 CFR 261.24	
DC: 5 bottles	
•	
EA: 1 bottle	
See data street Bi diagram	pw.91.02 for
see aata stalt bi	. •
adjum	į
9	SIGNATURE: VM/MR
	RECEIVED BY: Wancy E. Roka

THE RESERVE OF THE PROPERTY OF

ABB ENVIRONMENTAL SERVICES, INC	PAGE <u>5</u> OF <u>8</u>
	POND SAMPLING DATE 10.2.91
MINION THE POST	6853-04 WEATHER Claude 360's
LOCATION START: 1200 END: 1230	Library, 603
SEDIMENT SAMPLE O - 4 IN SAND (Med. + 1) POR S	IPMENT USED FOR COLLECTION: GRAVITY CORER JULIP BULB PLANTER S.S. HAND SPOON ALUMINUM PAN PLASTIC SCOOP OTHER
SAMPLE OBSERVATIONS COLORED AND AMBIENT O.O F	PPM LOCATION O.O PPM PM NA UNITS
NALYTICAL PARAMETERS	•
METHOD PRESERVATION VOLUME REQUIRED PP METALS (SPECIFIED BELOW) AL JS12 4 DEG C CA 4 DEG C ADEG C	SAMPLE COLLECTED SAMPLE BOTTLE ID NUMBERS IPS IPS IPS IPS IPS IPS IPS I
NOSS * THESE ARE DATACHEM METHODS. EA METHODS: VOC B/NA PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, JS12, B9, JD21, TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24	CR ,CU, PB, HG, NI, SB, SE, TL, ZN.
DC: 5 bottles EA: 1 bottle	TN 8852.91.03
	• '
	SIGNATURE: VM/MR
	RECEIVED BY: Namey F. Roka

ABB ENVIRONMENTAL SERVICES, INC FIELD DATA RECORD - SEDIMENT FIELD SAMPLING MASSES BY 10 4 0 0 0 5 FROMET USATIANA-BAAP SITE 10 B P - 911-04		ر و برود المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع و المراجع المراجع المرجع المرجع المرجع
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING MARGER STITE TYPE OF SAMPLE STITE TYPE OF	ABB ENVIRONMENTAL SERVICES, INC	PAGE 6 OF 8
PROJECT USATIMANA AND STITE TOP BY STITE TOP BY STANDAY AND STANDAY ST	FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER	B9 104 900 SAMPLING DATE 10 7 91
STEE ID B P S - 9 1 0 0 4 10 10 10 10 10 10 10 10 10 10 10 10 10		MARKET ROND
SEDIMENT DATA DEFIN OF SEDIMENT: SAMPLE COLUMN DATA TYPE OF SEDIMENT: SAMPLE DESCRIPTIONS SAMPLE DESCRIPTION TYPE OF SAMPLE DATA SAMPLE OBSERVATIONS DECOLUMN DATA TYPE OF SAMPLE DATA SAMPLE DESCRIPTION TYPE OF SAMPLE DATA SAMPLE OBSERVATIONS DECOLUMN DATA MAIST D.O. PPH LOCATION O.D. PPH PH LOCATION OTHER METHOD PRESERVATION NUMBER NU	SITE 10 BPS-91-04 JOB NUMBER	6853-04
DEPTIN OF SAMPLE C - L IM TYPE OF SAMPLE DISCRETE COLLECTED SAMPLE COSSERVATIONS COCORDOSITE SAMPLE COSSERVATIONS COCORDOSITE SAMPLE COSSERVATIONS COCORDOSITE ANALYTICAL PARAMETERS METHOD PRESERVATION MUSBER ARIENT AR	LOCATION ACTIVITY START: 1235 END: 1300	<u>c</u>
DEPTIN OF SAMPLE C - L IM TYPE OF SAMPLE DISCRETE COLLECTED SAMPLE COSSERVATIONS COCORDOSITE SAMPLE COSSERVATIONS COCORDOSITE SAMPLE COSSERVATIONS COCORDOSITE ANALYTICAL PARAMETERS METHOD PRESERVATION MUSBER ARIENT AR	CEDIMENT DATA	
ANALYTICAL PARAMETERS NETWOO PRESERVATION VOLUME SAMPLE COLLECTED ANALYTICAL PARAMETERS NETWOO REQUIRED COLLECTED ANALYTICAL PARAMETERS NETWOO REQUIRED COLLECTED SAMPLE SOTTLE ID HUMBERS A DEG C DC 1219 ANALYTICAL PARAMETERS NETWOO REQUIRED COLLECTED SAMPLE BOTTLE ID HUMBERS A DEG C DC 1219 A DEG C D	DEPTH OF SEDIMENT SAMPLE C - C IN CLAY SAND ORGANIC TYPE OF SAMPLE COLLECTED COMPOSITE TYPE OF SEDIMENT: CLAY SAND ORGANIC SILT GRAVEL	GRAVITY CORER JULIP BULB PLANTER POTABLE WATER WITH S.S. HAND SPOON HIGH PRESSURE OTHER PLASTIC SCOOP
METHOD PRESERVATION VOLUME SAMPLE DOTLETED SAMPLE BOTTLE ID NUMBERS METHOD PRESERVATION REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS ALL A DEC C LATTON ALL A DEC C LA		
NOSE * THESE ARE DATACHEM METHODS. EA METHODS: VOC. LM17, LM26 * SMAPLE BOTTLE 1D NUMBERS * THESE ARE DATACHEM METHODS. EA METHODS: VOC. LM23 * A DEG C * SMAPLE BOTTLE 1D NUMBERS * THESE ARE DATACHEM METHODS. EA METHODS: VOC. LM17 * LM23 * A DEG C * SMAPLE BOTTLE 1D NUMBERS * THESE ARE DATACHEM METHODS. EA METHODS: VOC. LM17 * LM23 * A DEG C * SMAPLE BOTTLE 1D NUMBERS * THESE ARE DATACHEM METHODS. EA METHODS: VOC. LM17 * LM23 * A DEG C * SMAPLE BOTTLE 1D NUMBERS * THESE ARE DATACHEM METHODS. EA METHODS: VOC. LM17 * THE SEC. LM		DI IMS CAMBI E
CLOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. EA! bottle DC: 5 bottles SIGNATURE: VM/MR	PP METALS (SPECIFIED BELOW)	DC SAMPLE BOTTLE ID NUMBERS 1210 1210 1210 1211 1212
DC: 5 bottled SIGNATURE: VM/NR	(LOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, JS12, B9, J TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24	B/NA LM2O' , CD, CR ,CU, PB, HG, NI, SB, SE, TL, ZN.
No Dobo		TN BPS.91.04
No Dobo		SIGNATURE: VM: / MR
		Market F Porte

. . .

.

ABB ENVIRONMENTAL SERVICES, INC.	_]
LD DATA RECORD - SURFACE WATER FIELD SAMPLING NUMBER B9101000	_ }
PROJECT USATHAMA-BAAP SITE TYPE POND SAMPLING DATE 10-2.91	<u> </u>
SITE ID BPW-91-01 JOB NUMBER 6853-04 FILE NAME CSW	↓
ACTIVITY START: 0930 END: 0935 PROGRAM C WEATHER Overcast, 60's	╛╽
SURFACE WATER DATA 14.1 FM SAMPLE LOCATION TYPE OF SURFACE WATER:	\Box
SKETCH BELOW? INO STREAM SAMPLE LOCATION TEMPERATURE DEG C. SKETCH BELOW? INO STREAM RIVER	- 1
DEPTH OF SAMPLE Surface PT POND/LAKE SEEP SEEP PH 7.3 UNITS AIR 0.0 PPM	:
FROM TOP OF WATER PH 7.3 UNITS AIR SAMPLE LOCATION 0.0 PPM DECONTAMINATI	_
FOR COLLECTION BOMB SAMPLER SPEC. COND. 206 umhos/cm):
ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE SAMPLE BOTTLE ID NUMBERS LALL	一
MITAL METALS (SPECIFIED BELOW) HNO3 TO PH<2 TOO MIP M 1 / / / DC	.
MS04 TT09 4 DEG C 1000 ml P	-
NH3N2	:
USEPA 130.2 HNO3 TO pH<2 , 500 ml ρ kl,	:
NG UW27 4 DEG C LI / C /	:
DNT UW25 4 DEG C	
i	.
1	
	Ì
NOTES * THESE ARE DATACHEM METHODS. EA METHODS: VOC UM19, UM26	ヿ
I (LOCATION SKETCH?) TAL METALS (TOXIC ANALYTE LIST): AL, SB, AS, BA, BE ,CD, CA ,CR, CO, CU, FE, PB, MG, MN, HG, NI, K, SE,	
AG, NA, TL, V, ZN. SS12, AX8, CC8, SD25, SD29, SD18	ļ
DC:5 50 HUS AN BPS-91-01 +	į
	1
EA: 4 bottles	
·	
SIGNATURE: VM/M2	
8 8/9/89 RECEIVED BY: Nancy E. Roka	

ABB ENVIRONMENTAL SERV	ICES, INC.	PAGE 3 OF 8
FIELD DATA RECORD - SURFACE WATER	R FIELD SAMPLING NUMBER 89:0200	
PROJECT USATHAMA-BAAP	SITE TYPE POND SAMPLIN	DATE 10-2-91
SITE 10 BPW-91-02	JOB NUMBER 6853-04 FILE	NAME CSW
ACTIVITY START: 1055 END: 1100	PROGRAM C	ATHER prt. Sunny, ess
SURFACE WATER DATA (~20')		TYPE OF
WATER DEPTH > 10 FT TEM	SAMPLE LOCATION PY SKETCH BELOW? N	STREAM RIVER
PEPTH OF SAMPLE Surface FT PH	7.8 UNITS AND O.D	POND/LAKE SEEP
FOR COLLECTION NONE, GRAB INTO BOTTLE BOMB SAMPLER SPEC	c. COND. 304 umhos/cm	PPM DECONTAMINATION FLUIDS USED: POTABLE WATER NONE
ANALYTICAL PARAMETERS METHOD		TLE ID NUMBERS
MUMBER WALL METALS (SPECIFIED BELOW) MIT LL8	HNO3 TO PH<2 Lputy W, WHO /	1_1_1_0
Mena tro	H2SO4 TO pH<2 500 ~1 P 10	
CL 1109 NH3N2 1F30	4 DEG C H2S04 TO PH<2	
USEPA 351. WALK USEPA 310.	.1 #000-2 HaSOy to pH <2//	
☑HARD USEPA 130.	.2 HNO3 TO PH<2	//EA
** 7/0C UM21 ** 8/NA UM25	4 DEG C (2) L AGE - 5 / 6	
□ NG UW27 □ DNT UW25	4 DEG C	
D NG UH27 D NT UH25		
H .		
	•	
•		
NOTES * THESE ARE DATACHEM METHO	ODS. EA METHODS: VOC UM19, UM26 B/NA UM24	
	LIST): AL, SB, AS, BA, BE, CD, CA, CR, CO, CU, FE, PB, MG, MN, HG, NI, K, SE, AG, NA, TL, V, ZN.	
•	SS12, AX8, CC8, SD25, SD29, SD18 **METHOD NUMBER FOR TL PENDING CERTIFICATION	
	ALTIOU HUNDER FOR THE VERDING GENTLI DON'T	
nc . =	- bottles In	BPW-9 -02 +
	/	BPS-91.02
EA! 4	bottles (
		$\langle \hspace{0.1cm} \rangle$
	. 7	<u>י</u>
	SIGNATURE: VM/MR	
	N/Q F	Rona
MD 8/9/89	RECEIVED BY:	160 16U

The first part of the company page.

ABB ENVIRONMENTAL SERVICES, INC	PAGE 7 OF 8
LD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER	B9105000
PROJECT USATHAMA-BAAP SITE TYPE	POND SAMPLING DATE 10.2.91
SITE 10 B PS - 91 - 05 JOB NUMBER	6853-04 FILE NAME CSO
LOCATION	c WEATHER prt. Sunny, 50%
ACTIVITY START: 1305 END: 1330	
SEDIMENT DATA	
DEPTH OF SEDIMENT SAMPLE C - > 12 " MT TYPE OF SEDIMENT:	GRAVITY CORER DECONTAMINATION FLUIDS USED POTABLE WATER
SAND	TULIP BULB PLANTER LI POTABLE WATER WITH S.S. HAND SPOON HIGH PRESSURE
TYPE OF SAMPLE DISCRETE SILT COLLECTED COMPOSITE GRAVEL	ALUNINUM PAN OTHER
U OTHER	U OTHER
SAMPLE OBSERVATIONS COLORED TON OK. OF COLORED TON OK. OF COLORED TON OK. OF COLORED TON OK.	PPM LOCATION O.O PPM PH NA UNITS
<u> </u>	
ANALYTICAL PARAMETERS METHOD PRESERVATION VOI	LUNE SAMPLE
NUMBER METHOD REQ	UIRED COLLECTED SAMPLE BOTTLE ID NUMBERS
PP METALS (SPECIFIED BELOW) 4 DEG C MAL JS12 4 DEG C	
LCA 4 DEG C 4 DEG C	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
□ □ CD 4 DEG C	Dc (B ===/===/===/===/===
, □AG YÝ 4 DEG C	
PB JD21 4 DEG C JCLP METALS (SPECIFIED BELOW) 4 DEG C	
MIT KF17 4 DEG C	DC {
\$04 KT07 4 DEG C NH3N2 USEPA 350.2 4 DEG C	(M. 127/
TOC USEPA CE-81-1 4 DEG C	EA } []
' MpH SW846 METHOD 9045 4 DEG C "MOOC LM23 4 DEG C	DC 1228 / 1233 /
. 45/8N/A LM25 4 DEG C	1229
NAM LNOS 4 DEG C	
DNT LW23 4 DEG C	H/,/,/,
, D	A ===/,===/,===/,====1
l .	//
1	i
NOS * THESE ARE DATACHEM METHODS. EA METHODS: VI	
(LOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE,	/NA LM2O CD, CR ,CU, PB, NG, NI, SB, SE, TL, 2N.
JS12, 89. JE TCLP METALS: CD, CR, HG, PB.	D21, JD20, Ý9.
JS12, 40 CFR 261.24	c.i.t.
	Soft-corer would sink in
DC: 5 bottles	SOFT- corer would sink in
EA: 1 bottled	bottom completely.
E11. 1 DOTTUE	<i>1</i>
-2.0105	
BPS-91-05	
	SIGNATURE: VM/MR
	RECEIVED BY: Namey E Roha
	neserves si.

A STATE OF THE STA

APP ENVIDONMENTAL CEDVICES INC	PAGE 8 OF 8
	PAGE O OF O
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER B910600 SAMPLING DATE	10.2.91
PROJECT USATHAMA-BAAP SITE TYPE POND FILE NAME	CSO
SITE 10 8 PS - 9 1 - 06 JOB NUMBER 6853-04 WEATHER	prt. sunny, 60's
ACTIVITY START: 1335 END: 1400	
SEDIMENT DATA	
SEDIMENT SAMPLE $(0-1)$ IN \square CLAY \square GRAVITY CORER	TAMINATION FLUIDS USED POTABLE WATER
ORGANIC S.S. HAND SPOON	POTABLE WATER WITH HIGH PRESSURE
COLLECTED COMPOSITE GRAVEL PLASTIC SCOOP	OTHER
SAMPLE OBSERVATIONS ODOR AMBIENT O. O PPM LOCATION O. O PPM	PH NA UNITS
ANALYTICAL PARAMETERS	
METHOD PRESERVATION VOLUME SAMPLE	w masae
NUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE II AL JS12 4 DEG C NUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE II A DEG C	//_
A DEG C	//
A DEG C 4 DEG C	//
CR	/ ,/,
MPB JD21 4 DEG C M 1240 / LOUIS SPECIFIED REICHLY 4 DEG C	/,
## NIT KF17 4 DEG C DC 1241 1242	,
MH3N2 USEPA 350.2 4 DEG C 170C USEPA CE-81-1 4 DEG C 170C USEPA CE-81-1 4 DEG C 170C USEPA CE-81-1 4 DEG C	
	/
**MBN/A LN25 4 DEG C DC \ DC \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	//I
LING LU27 4 DEG C	/,——-/,———
DNT LW23 4 DEG C	,
NAM LNOS 4 DEG C LW23 4 DEG C	//,
	/
NOS * THESE ARE DATACHEM METHODS: VOC LM17, LM26	
(LOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN.	ł
JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB.	1
JS12, 40 CFR 261.24	
DC: 5 bottles TN/	
EA: 1 bottle	<i>;</i>
1	′
©BPS-91-06/	-
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
SIGNATURE: VII)/ (YE	E Cala
RECEIVED BY: UVYUU	E. KITCH

STORES TO MAKE HELD AND CONTRACT HELD TO SERVE

Γ	***************************************					
Ä	C. JORDAN ELD DATA RECORD - S	RIRFACE WATER	FIELD SAW	<u> </u>		Sunny/75°
7			<u> </u>	TITE TYPE SURFACE WATE		CSO
•	PROJECT USATHAHA -	BAAP	TQ	OS NUMBER 6298-07	SAMPLING DATE	275EP90
Ì	SITE 20	31PW19101-	dil '	OCATION ACTIVITY START	: 113C END: 1	200
	SURFACE WATER DATA		TEMPERATURE	16.0EG. C	TYPE OF	[] STREAM
	WATER DEPTH a SAMPLE LOCATION	4 PT			SURFACE WATER	[] RIVER [] OTHER
ı	DEPTH OF SAMPLE	1 FT	рн	8.6 UNITS		[] HOME [+ POTABLE WATER
ı	EQUIPMENT USED [] FOR COLLECTION []	MONE, GRAB INTO BOT	SPEC. COND.			CYES
ļ	AMBIENT AIR VOA	€w9 PPM	SAMPLE LOCATION A	IR VOAP	PH	
	TEMPERATURE PROFILE		·			
1	DEPTH OF MEA	SUREMENT) FT.	TEMPERATURE	/6 DEG. C	
İ	DEPTH OF MEA	ASUREMENT	У гт.	TEMPERATURE	/6 DEG. C	
	DEPTH OF MEA	SPENENT	FT.	TEMPERATURE	DEG. C	
Ĺ	SEPTH OF NEA	- Lackerent		TENTEDITORE		
	(If REQUIRED AT T	THIS LOCATION) TER/METHOD		SERVATION THOO BOHLES:		HPLE BOTTLE ID'S
T	CUT CALCIUM CUT ALUMINUM CUT IRON		100	ख		<u></u>
İ	LEAD MAGNESIUM SODIUM) (10) (10)	03 & 500m		
	LA HARDNESS		MA	03 <2 066C PD		= /,====
]	ALKALINITY [U] SULFATE, Chlor	ide	4	DEG. C 500 m DEG. C 125 m		
1	(MITRATE & MITRI	TE		s04 125 mi	(4)3	
F	NOTES / SKETCH	us not giv	en method	#'s for the	analyses.Co	il Joanne
ı	Hale at K	01) 113-540	of the specific			
,				ر ح		
ı					·	
,)		
1	N					
•	Δ	0 (X				
	7					
ı		(X	· ~~			
1		X			i	
	10-08-89	X	SIGNATURE OF	SAMPLER W-V4		

E. C. JORDAN FIELD DATA RECORD - SURFACE WATER FIELD SAMPLING NO. BPW9 CC22 WEATHER	
PROGRAM QOS SITE TYPE SURFACE VATER FILE NAME CSO	
PROJECT USATHANA - SAAP TO JOB HUMBER 6296-07 SAMPLING DATE 27,55200]!
SITE ID BPW-1910-012 LOCATION ACTIVITY START: 1215 END: 1300	1
SURFACE WATER DATA	
HATER DEPTH a SAMPLE LOCATION TEMPERATURE 4 DEG. C TYPE QF C- POMO/LAKE SURFACE WATER 1 RIVER C 1 GTHER	
DEPTH OF SAMPLE 7 PT DECONTAMENATION (1 NOME FROM TOP OF WATER FLUIDS USED (-1 POTABLE WATER	1
EQUIPMENT USED [] NONE, GRAB INTO BOTTLE FOR COLLECTION (of OTHER Pacs Bomb SKETCH BELOW [] NO	į
AMBIENT AIR VOA PPH SAMPLE LOCATION AIR VOA PPH	
TEMPERATURE PROFILE	—
DEPTH OF MEASUREMENT / FT. TEMPERATURE / 9 DEG. C	1
DEPTH OF MEASUREMENT 5 FT. TEMPERATURE /5 DEG. C	
	•
DEPTH OF HEASIREMENT // PT. TEMPERATURE /4 DEG. C	
(E) IF REQUIRED AT THIS LOCATION) NATRIX PRESERVATION SAMPLE SAMPLE BOTTLE ID'S ANALYTICAL PARAMETER/METHOD NETHOD BALLOSTOCOLLECTED	
	- 1
D.Y CALCIUM SU MIGS <2	-
CY ALIMINUM HNGS <2 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C	1
CY ALLMINUM HNGS <2	
CV ALLMINUM HNG3 <2	
CV ALIMINUM HNGS <2	
CV ALLMINUM HNGS <2	
Column C	
CY ALLMINUM HNGS <2	
W IRON WI IRON WHOS & 500 ml WHOS & 500 ml WHOS & 500 ml WHOS & 11	
CY ALLMINUM HNGS <2	
W IRON WI IRON WHOS & 500 ml WHOS & 500 ml WHOS & 500 ml WHOS & 11	
W IRON WI IRON WHOS & 500 ml WHOS & 500 ml WHOS & 500 ml WHOS & 11	
W IRON WI IRON WHOS & 500 ml WHOS & 500 ml WHOS & 500 ml WHOS & 11	
HINDS & SCOMI (1) HAGHESIUM HINDS &	
WI TRON WI LEAD LY MAGNESIUM LY MAGNESS	
WINGS 2 LEAD LEAD LEAD LEAD LEAD LEAD LEAD LEA	
WI TRON WI LEAD LY MAGNESIUM LY MAGNESS	
WI TRON WI LEAD LY MAGNESIUM LY MAGNESS	
TOTAL PRINCES OF LEAD OF LEAD OF LEAD OF LEAD OF LEAD OF HAGNESSIUM OF HAGNESSS OF HOUS 32 OF HAGNESSS OF HOUS 32 OF HAGNESSS OF HOUS 32	

	
ABB ENVIRONMENTAL SERVICES, INC	PAGE OF
LD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER	P9174000 SAMPLING DATE 9.3091
PROJECT USATHAMA-BAAP SITE TYP	BUGR 150 T
SITE ID PBS-91-74 JOB NUMBE	
LOCATION START: 1315 END: 1320 PROGRA	
	J
SEDIMENT DATA DEPTH OF SEDIMENT: SEDIMENT SAMPLE 1-3 IN CLAY SAND ORGANIC SILT GRAVEL OTHER	EQUIPMENT USED FOR COLLECTION: GRAVITY CORER TULIP BULB PLANTER S.S. HAND SPOON ALUMINUM PAN PLASTIC SCOOP OTHER
SAMPLE OBSERVATIONS COLORED AMBIENT AIR	SAMPLE PPM PMUNITS
ANALYTICAL PARAMETERS	
NUMBER METHOD R PP METALS (SPECIFIED BELOW) 4 DEG C AL JS12 4 DEG C CA 4 DEG C A DEG C A DEG C	VOLUME SAMPLE SAMPLE BOTTLE ID NUMBERS 10 967 /
CD 4 DEG C 4 DEG C	
□PB JD21 4 DEG C	
TCLP METALS (SPECIFIED BELOW) NIT KF17 4 DEG C KF17 4 DEG C KF07 4 DEG C	# ====================================
MH3NZ USEPA 350.2 4 DEG C TOC USEPA CE-81-1 4 DEG C	
MINUS MINUS MALE A DEC C	EA 96 (1) 962 971
VOC	
NAM LNOB 4 DEG C	DC 969
i P	DC 969
NOS * THESE ARE DATACHEM METHODS. EA METHODS:	VOC LM17, LM26
LOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, 8	B/NA LM20 BE, CD, CR ,CU, PB, NG, NI, SB, SE, TL, ZN.
TCLP METALS: CD, CR, HG, PB.	, JD21, JD20, Y9.
JS12, 40 CFR 261.24	
EA: 2 bottes (TR) EA:	a bottled
DC.	2 0011 cc~
*No tip available	
	SIGNATURE: VM/ME
	RECEIVED BY: Wance E. Rota

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING MUMBER P7 / 7500C SAMPLING DATE 9.3091
PROJECT USATHAMA-BAAP SITE TYPE RUGR
SITE ID PIRS - 91 - 75 JOB NUMBER 6853-04
OCATION START: 1325 END: 1330 PROGRAM C GEORGE GEOR
SPRING DATA
SEDIMENT DATA DEPTH OF SEDIMENT: SAMPLE - IN CLAY GRAVITY CORER DECONTAMINATION FLUIDS USED CLAY TULIP BULB PLANTER POTABLE WATER WITH CORGANIC S.S. HAND SPOON NIGH PRESSURE COLLECTED COMPOSITE GRAVEL PLASTIC SCOOP OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OT
SAMPLE OBSERVATIONS COLORED AND AMBIENT SAMPLE LOCATION PPM PH - UNITS
NALYTICAL PARAMETERS
NETHOD PRESERVATION VOLUME SAMPLE SAMPLE BOTTLE ID NUMBERS
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, N1, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 2 bottles EA! 2 bottles
SIGNATURE: VM/MR RECEIVED BY: ! Namey E. Rofa

ADD FAUGDOMACATAL OFFICE INC	"
ABB ENVIRONMENTAL SERVICES, INC	PAGE 3 OF 20
ELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P917600 SAMPLING DATE THE SAMPLING	ATE 9.30.91
SITE TYPE BUGR FILE NA SITE TYPE BUGR FILE NA	AME CSO
SITE ID PBS -911-76 JOB NUMBER 6853-04 MEATI	HER overcasticos
ACTIVITY START: (335 END: 1340	brezy, rain
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE IN CLAY GRAVITY CORER SAND TULIP BULB PLANTER ORGANIC S.S. HAND SPOON COLLECTED COMPOSITE GRAVEL OTHER SAMPLE OBSERVATIONS ODOR AMBIENT AIR PPM LOCATION PPM	POTABLE WATER POTABLE WATER HIGH PRESSURE OTHER DH UNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION WETHOD REQUIRED COLLECTED AL DEG C AL DEG C AL DEG C CR HG PB JD21 4 DEG C CR HG PB JD21 4 DEG C TCLP METALS (SPECIFIED BELOM) 4 DEG C KT07 4 DEG C MH3N2 USEPA 350.2 4 DEG C MH3N2 USEPA 350.2 4 DEG C TOC USEPA CC-81-1 4 DEG C TOC USEPA CC-81-1 4 DEG C MH3NA DEG C MH3NA LN25 4 DEG C MH23 4 DEG C MH23 4 DEG C MH3NA LN25 4 DEG C MH3NA LN25 4 DEG C MH3NA LN25 4 DEG C MH3NA LN25 4 DEG C MH3NA LN25 4 DEG C MH3NA LN25 4 DEG C MH3NA LN25 4 DEG C MH3NA LN25 4 DEG C MH3NA LN25 4 DEG C MH3NA LN25 4 DEG C MH3NA LN25 4 DEG C MH3NA LN25 4 DEG C MH3NA LN25 4 DEG C MH3NA LN26 C MH3NA LN27 4 DEG C MH3NA LN28 4 DEG C MH3N	LE ID HUMBERS
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 SLOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, 2 JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 2 50HLes EA: 2 50HLes SIGNATURE: VYY: / 1	
RECEIVED BY: UNAMON	

والمراجع المراكب الأراب الكراب المراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع	وورون والمناف المناف المناف المناف المنافي والمنافي والمنافي والمنافي والمنافي والمنافي والمناف والمناف والمناف
ABB ENVIRONMENTAL SERVICES, INC	PAGE 4 0F 20
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER	P9177000 SAMPLING DATE 9.30.91
PROJECT USATHAMA-BAAP SITE TYPE	1 BUGK 1
SITE ID PBS-91-77 JOB NUMBER	6853-04 FILE NAME CSO
LOCATION START: 1355 END: 1400	c WEATHER Overmst/rain
SEDIMENT DATA	
SEDIMENT SAMPLE 0-3 IN TYPE OF SEDIMENT:	EQUIPMENT USED FOR COLLECTION: GRAVITY CORER TULIP BULB PLANTER DECONTAMINATION FLUIDS USED POTABLE WATER POTABLE WATER WITH
SAND	S.S. HAND SPOON HIGH PRESSURE
TYPE OF SAMPLE DISCRETE SILT COLLECTED COMPOSITE GRAVEL	PLASTIC SCOOP OTHER
OTHER	
SAMPLE OBSERVATIONS ODOR AMBIENT OCCURRED AIR	PPH LOCATION O PPH PH NA UNITS
ANALYTICAL DARAMETERS	
	DLUME SAMPLE
PP METALS (SPECIFIED BELOW) 4 DEG C	SUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS DC 2 985/
□CA 1 4 DEG C	
□NA 4 DEG C 4 DEG C	<u> </u>
CR	
□PB JD21 4 DEG C	
TCLP METALS (SPECIFIED BELOW) 4 DEG C	
USEPA 350.2 4 DEG C	H
TOC USEPA CE-81-1 4 DEG C SN846 METHOD 9045 4 DEG C	
*M VOC LM23 4 DEG C	5A 4 484 484
*UBN/A LM25 4 DEG C UNG LW27 4 DEG C	
DNAM LNOS 4 DEG C	EA 986 989
	H
NOS * THESE ARE DATACHEM METHODS. EA METHODS: V (LOCATION SKETCH)	70C LM17, LM26 17NA LM20
PP METALS (PRIORITY POLLUTANT): AG, AS, BE,	CD, CR ,CU, PB, HG, NI, SB, SE, TL, ZN. ID21, JD20, Y9.
TCLP METALS: CD, CR, HG, PB.	wally wwamy 17.
JS12, 40 CFR 261.24	
EA: 2 bottles	
DC: 2 bottles	
	. 1.2
	SIGNATURE: VM NR
	RECEIVED BY: Nancy E. Rota

ADD ENVIRONMENTAL GERMANIA INC.
ABB ENVIRONMENTAL SERVICES, INC PAGE 5 OF 20
D DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9178000 SAMPLING DATE 9.30.91 PROJECT USATHAMA-BAAP SITE TYPE BUGR FILE NAME CSO
SITE ID PBS-91-78 JOB NUMBER 6853-04 WEATHER OVERCOST "FOS
ACTIVITY START: 1415 END: 1415
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE
SAMPLE OBSERVATIONS COLORED AMBIENT O.O PPM LOCATION O.O PPM PH UNITS
ANALYTICAL PARAMETERS
NETHOD PRESERVATION YOUME SAMPLE SAMPL
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 2 Tottles EA: 2 Tottles
SIGNATURE: VM/MR

والمراجع والمتحول والمتحول والمتحول والمتحول والمتحول والمتحول والمتحول والمتحول والمتحول والمتحول والمتحول	
ABB ENVIRONMENTAL SERVICES, INC	PAGE 6 OF 20
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER	P917900 SAMPLING DATE 9.2091
PROJECT USATHAMA-BAAP SITE TYPE	BUGR SAMPLING DATE 9.30.91
SITE ID PBS-91-79 JOB NUMBER	6853-04
LOCATION START: 1420 END: 1425 PROGRAM	breezy
SEDIMENT DATA	
DEPTH OF SEDIMENT: SEDIMENT SAMPLE 1-4 IN CLAY SAND TYCCE TYPE OF SAMPLE DISCRETE GRAVEL COLLECTED COMPOSITE GRAVEL OTHER	EQUIPMENT USED FOR COLLECTION: GRAVITY CORER TULIP BULB PLANTER S.S. HAND SPOON ALUMINUM PAN PLASTIC SCOOP OTHER DECONTAMINATION FLUIDS USED M POTABLE WATER HIGH PRESSURE OTHER
SAMPLE OBSERVATIONS COLORED AMBIENT O.O	PPH LOCATION O, O PPH PH UNITS
ANALYTICAL PARAMETERS	
	SAMPLE SAMPLE BOTTLE ID NUMBERS 355 DC 358 DC 358
PP METALS (PRIORITY POLLUTANT): AG, AS, BE, JS12, B9, JE TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 2 DOHLOS	/NA LM20
EA: 2 bottles	SIGNATURE: VM/MC
	RECEIVED BY: Wancy E. Roka

(

	·	
ABB ENVIRONMENTAL SERVICES, I	NC	PAGE
LD DATA RECORD - SEDIMENT FIELD SAMPLING	NUMBER P918000	SAMPLING DATE 9.20 91
PROJECT USATHAMA-BAAP SI	TE TYPE BUGR	SAMPLING DATE 9.30.91
SITE 10 PBS-91-80 JOB	NUMBER 6853-04	WEATHER OVE COLT, "40'S
ACTIVITY START: 1425 END: 1430	PROGRAM C	breezy
		3
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE -5 IN CLAY SAND SON ORGANIC TYPE OF SAMPLE DISCRETE COLLECTED COMPOSITE GRAVEL	COAULTY CODED	POTABLE WATER
OTHER	OTHER	_
SAMPLE OBSERVATIONS COLORED AMBIENT AIR	O. O PPH LOCATION	O,O PPM PH UNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION	N VOLUME SAMPLE	
MUMBER METHOD WETHOD WE PP METALS (SPECIFIED BELOW) A DEG C	REQUIRED COLLECTED	SAMPLE BOTTLE ID NUMBERS
JS12 4 DEG C CA J 4 DEG C A DEG C A DEG C		
UCD (4 DEG C		
☐ CR ☐ 4 DEG C	<u> </u>	
PB JD21 4 DEG C TCLP METALS (SPECIFIED BELOW) 4 DEG C		
NIT KF17 4 DEG C 604 KT07 4 DEG C	H -	
MH3N2 USEPA 350.2 4 DEG C TOC USEPA CE-81-1 4 DEG C ph Sw846 NETHOD 9045 4 DEG C		
** VOC LN23 4 DEG C ** BN/A LN25 4 DEG C	DC.EA P	1004/_1001_//
NG LV27 4 DEG C	8 =	
DNT LM23 4 DEG C		1005
l ⁻	DC.	
•	_	
NOS * THESE ARE DATACHEM METHODS. EA ME	THODS: VOC LM17, LM26 B/NA LM20	
PP METALS (PRIORITY POLLUTANT): AG, JS1:		NI, SB, SE, TL, 2N.
TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24		
be mile in		
EA SOHE		
1		
t .		
I		
<u> </u>		4000 7 000
	SIGNATURE:_	WM / MC
	RECEIVED BY:_	Mancy E Rota

ABB ENVIRONMENTAL SERVICE	CES, INC			PAGE 8 OF 20
FIELD DATA RECORD - SEDIMENT FIELD	SAMPLING NUMBER	00151FG	O SAMOULING DATE	(0.200)
PROJECT USATHAMA-BAAP	SITE TYPE	BUGR	SAMPLING DATE	9.3091 cso
SITE 10 PBS-191-81	JOB NUMBER	6853-04	WEATHER	
LOCATION START: 1440 END: 1445	PROGRAM	С	WEATHER	crondy, 600,2
TYPE OF SAMPLE DISCRETE COLLECTED COMPOSITE	OF SEDIMENT: CLAY SAND RGANIC SILT GRAVEL DTHER	GRAVITY CORER GRAVITY CORER TULIP BULB PLANTES S.S. HAND SPOON ALUMINUM PAN PLASTIC SCOOP OTHER	R 0	TAMINATION FLUIDS USED POTABLE WATER HIGH PRESSURE OTHER
	AIR O.O	PPH SAMPLE LOCATION	O.O PPH	PH UNITS
ANALYTICAL PARAMETERS				
PP METALS (SPECIFIED BELOW) AL JS12 CA		UME SAMPLE DIRED COLLECTED DO NOT THE PROPERTY OF THE PROPERTY	SAMPLE BOTTLE 1	D NUMBERS
* THESE ARE DATACHEM METHOD PP METALS (PRIORITY POLLUTA TCLP METALS: CD, CR, HG, PB JS12, 40 CFR 2	B/ WT): AG, AS, BE, JS12, B9, JD	'NA LM20	MI, SB, SE, TL, ZN.	
		SIGNATURE:_	m/me	
		RECEIVED BY:_	Wana	F. Roka

Ž,

and the second of the second of the second of the second we seek that the second of the second of the second of

ABB ENVIRONMENTAL SERVICES, INC	PAGE 9 OF 20
LD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER PAIRS	SAMPLING DATE 9.30.91
PROJECT USATHAMA-BAAP SITE TYPE BUGR	FILE NAME CSO
SITE ID P B 5 - 9 1 - 82 JOB NUMBER 6853-04	WEATHER cloudy, 60'S
ACTIVITY START: 1450 END: 1455	breezy
	J
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE [-3 IN CRAVITY CORE SEDIMENT SAMPLE [-3 IN CRAVITY CORE SAND TULIP BULB P ORGANIC S.S. HAND SP SILT SALUMINUM PAN COLLECTED COMPOSITE GRAVEL PLASTIC SCOOL OTHER OTHER	LANTER POTABLE WATER WITH OON HIGH PRESSURE OTHER
SAMPLE OBSERVATIONS COLORED AMBIENT AIR O, PPM LOCAT	, , , ,
, ANALYTICAL PARAMETERS	
METHOD PRESERVATION VOLUME SAMPLE PP METALS (SPECIFIED BELOW) AL CA AL CA AL CCA AL CCB CCC CCC	SAMPLE BOTTLE ID NUMBERS 361 367 367 367
NOSS (LOCATION SKETCH) * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 244 Tottled NP.	HG, NI, SB, SE, TL, ZN.
SIGNAT	160 cost E Porto
RECEIVED	BT: 1 // WING C. PUICE

90 S.

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9123000 SAMPLING DATE 9.30.91
PROJECT USATHAMA-BAAP SITE TYPE BUGR FILE NAME CSO
SITE ID!P B S - 9 1- 8 3 JOB NUMBER 6853-04
OCATION START: 1500 END: 1505 PROGRAM C Dreery
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 24 bottes MR
SIGNATURE: VM/MR RECEIVED BY: Wancu E. RORO

ABB ENVIRONMENTAL SERVICES, INC
LD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER POLICE
PROJECT USATHAMA-BAAP SITE TYPE FILES
SITE ID PRS - 9 1 - 24 JOB NUMBER 6853-04
LOCATION START: 1510 END: 1515 PROGRAM C Dreery
SEDIMENT DATA DEPTH OF SEDIMENT: SAMPLE IN IN IVPE OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED GRAVITY CORER IVPE OF SAMPLE IN IVPE OF SAMPLE IVPE OF
SAMPLE OBSERVATIONS COLORED AND AMBIENT CO. C PPM LOCATION O. O PPM PH UNITS
NALYTICAL PARAMETERS
NOSS LOCATION SKETCH) * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, NG, NI, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 24 bottles A bottl
SIGNATURE: VM/MR SIGNATURE: VM/MR SIGNATURE: VM/MR SIGNATURE: VM/MR

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9185000 SAMPLING DATE 9.30.91
PROJECT USATRAMA-BAAP SITE TYPE BUGZ
SITE ID PBS-91-85 JOB NUMBER 6853-04 WEATHER COUNTY, 60'S
ACTIVITY START: 1535 END: 1540 PROGRAM C DTSETY
SEDIMENT DATA DEPTH OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED GRAVITY CORER CLAY GRAVITY CORER TYPE OF SAMPLE DISCRETE COLLECTED COMPOSITE SAMPLE OBSERVATIONS COOR AMBIENT AIR O O PPM LOCATION O, O PPM PH — UNITS
ANALYTICAL PARAMETERS HETHOD PRESERVATION VOLUME SAMPLE
SIGNATURE: VM/M2

ABB ENVIRONMENTAL SERVICES, INC		
LD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P3 186000 SAMPLING DATE 9.30.91		
PROJECT USATHAMA-BAAP SITE TYPE BUGR FILE NAME CSO		
31TE ID PBS -91-86 JOB NUMBER 6853-04 WEATHER Cloudy 260'S		
LOCATION START: 1545 END: 1550 PROGRAM C Dreezy		
SEDIMENT DATA DEPTH OF SEDIMENT: SEDIMENT: SEDIMENT: SEDIMENT: SEDIMENT: SEDIMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED GRAVITY CORER SEDIMENT SAMPLE -3		
COLORED AIR O.O PPH LOCATION O.O PPH PH UNITS		
NALYTICAL PARAMETERS		
* THESE ARE DATACHEM METHODS: EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 24 bottles mp SIGNATURE: VM/ MX		
RECEIVED BY: 1/Vancu F Roka		

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER F7 187000 SAMPLING DATE 9.30.91
PROJECT USATHAMA-BAAP SITE TYPE BUGR FILE NAME CSO
SITE ID DE S - 9 1 - 27 JOB NUMBER 6853-04
LOCATION START: 1555 END: 1600 PROGRAM C START: 1555 END: 1600
SEDIMENT DATA
DEPTH OF SEDIMENT SAMPLE IN IN CLAY GRAVITY CORER POTABLE WATER TYPE OF SAMPLE IN CLAY GRAVITY CORER POTABLE WATER TYPE OF SAMPLE IN CONTAMINATION FLUIDS USED GRAVITY CORER POTABLE WATER FOULIP BULB PLANTER POTABLE WATER WITH S.S. HAND SPOON HIGH PRESSURE OTHER CONTAMINATION FLUIDS USED POTABLE WATER WITH OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER
SAMPLE OBSERVATIONS COLORED SAMPLE COLORED AMBIENT O.O PPM LOCATION C.O PPM PH UNITS
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE SAMPLE MUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS V PP METALS (SPECIFIED BELOW) 4 DEG C
NOSS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, NG, NI, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, NG, PB. JS12, 40 CFR 261.24
DC: 724 bottles (RP)
SIGNATURE: VM/ML RECEIVED BY: VDMC11 E. ROTCA

ABB ENVIRONMENTAL SERVICES, INC PALES COO PAGE 16 OF 20		
LD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER DIDE TO THE PROPERTY OF THE PR		
PROJECT USATHAMA-BAAP SITE TYPE BUST		
SITE ID PRS - 71 - 88 JOB NUMBER 6853-04		
LOCATION PROGRAM C WEATHER Cloudy, 60'S		
1 ACTIVITY START: 1600 END: 1605		
SEDIMENT DATA DEPTH OF SEDIMENT: SEDIMENT: SEDIMENT: SEDIMENT: SEDIMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED CLAY GRAVITY CORER SAND SO MU TULIP BULB PLANTER ORGANIC S.S. HAND SPOON TYPE OF SAMPLE DISCRETE COLLECTED COMPOSITE TYPE OF SAMPLE OTHER OTHER OTHER OTHER OTHER		
SAMPLE OBSERVATIONS ODOR AMBIENT O.O PPM LOCATION O.O PPM PM UNITS		
ANALYTICAL PARAMETERS		
METHOD PRESERVATION VOLUME SAMPLE		
NOES * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24		
EA TOTAL		
SIGNATURE: VM/NR		
RECEIVED BY: //WWW. E. KORG		

ABB ENVIRONMENTAL SERVICES, INC		
TELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9129000 SAMPLING DATE 9.3091		
RUJECT USATRAPIA-BAAP STIE TIPE DUGIC		
ITE 10 PBS-191-189 JOB MUMBER 6853-04 WEATHER CLOUDLY 9605		
OCATION START: (520 END: (525 PROGRAM C Droezy		
TYPE OF SEDIMENT: SEDIMENT DATA TYPE OF SEDIMENT: SEDIMENT SAMPLE TOTAL TO		
COLORED AIR O,O PPH LOCATION O.O PPH PH UNITS		
NALYTICAL PARAMETERS		
METHOD PRESERVATION VOLUME SAMPLE PP METALS (SPECIFIED BELOW) A DEG C AL JS12		
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZM. JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24		
DC: 24 bottles (mr) EA: 2 bottles		
SIGNATURE: VM/MC RECEIVED BY: UVancy E. Roka		
RECEIVED BY: UVANCE E. ROKE		
$\boldsymbol{\omega}$		

•

ABB ENVIRONMENTAL SERVICES, INC
PATA RECORD - SEDIMENT FIELD SAMPLING NUMBER R9133000 SAMPLING DATE (0.3.9)
ROJECT USATHAMA-BAAP SITE TYPE DTCH
TE ID RIPS - 91 - 33 JOB NUMBER 6853-04 MEATHER CICUALY, "603
OCATION START: 1555 END: 1500 PROGRAM C
DEDIMENT DATA DEPTH OF SEDIMENT SAMPLE 0-3 IN CLAY GRAVITY CORER SAND TULIP BULB PLANTER POTABLE WATER WITH TYPE OF SAMPLE DISCRETE COLLECTED COMPOSITE TYPE OF SAMPLE OTHER OTHER
SAMPLE OBSERVATIONS COLORED AMBIENT SAMPLE COLORED DH UNITS
NALYTICAL PARAMETERS
OBS THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 OCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, NG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9.
TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
No TIF available
DC: 1 botte
* Resampled for missed hold time signature: VIVI Missed hold time signature: VIVI Missed Received By: 1/10/2011. E Rotea
MERCEACO DI.

()

ABB ENVIRONMENTAL SERVICES, INC	20
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER R9 134000 SAMPLING DATE GUG	
PROJECT USATHAMA-BALA SITE TYPE DTCH	
SITE IN O O C . Q (DL) JOR NUMBER ARS3-04	-
LOCATION ACTIVITY START: 1430 END: 1435	405
SEDIMENT DATA DEPTH OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUID CLAY CLAY GRAVITY CORER TULIP BULB PLANTER POTABLE WATER WI ORGANIC S.S. HAND SPOON HIGH PRESSU OTHER OTHER OTHER OTHER OTHER	TH
SAMPLE OBSERVATIONS COLORED AMBIENT O.O PPH LOCATION O,O PPH PH U	MITS
ANALYTICAL PARAMETERS METHOD PRESERVATION WOLUME SAMPLE COLLECTED SAMPLE COLLECTED COLLECTED SAMPLE COLLECTED COLLE	
** THESE ARE DATACHEN NETHODS: EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 3 COHTLES FA: THESE ARE DATACHEN METHODS: EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24	
SIGNATURE: VM/MR	

RECEIVED BY: Name

ABB ENVIRONMENTAL SERVICES, INC
ATA RECORD - SEDIMENT FIELD SAMPLING NUMBER ROLLS COO SAMPLING DATE 10 3 21
POJECT USATHAMA-BAAP SITE TYPE DICH
TE ID RFS - 91 - 34 JOB NUMBER 6853-04 WEATHER CICICLY 505
COCATION START: 1615 END: 1620
SEDIMENT DATA PEPTH OF EDIMENT SAMPLE -5 IN CLAY GRAVITY CORER POTABLE WATER POTABLE WATER COLLECTION: DECONTAMINATION FLUIDS USED GRAVITY CORER POTABLE WATER POTABLE WATE
OLLECTED COMPOSITE GRAVEL PLASTIC SCOOP OTHER
SAMPLE OBSERVATIONS COLORED AMBIENT AIR PPH LOCATION PPH PH UNITS
-NALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE
MOSS THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
* resampled for missed hold time
DC: 1 bottle
SIGNATURE: Yrolnik RECEIVED BY: NOVOCH E. ROPO

ABB ENVIRONMENTAL SERVICES, INC FIELD DATA RECORD - SEDIMENT FIELD SAMPLING MARGER PROJECT UNATIONAL SAMPLING DATE SITE TO REPOLICE TO LIGHT STATE STATE SAMPLE DOTE SAMPLING DATE SITE TO REPOLICE TO LIGHT SAMPLE OF STATE SAMPLE DOTE SAMPLE SOON OF SAMPLE SOON OF SAMPLE SOON OF SAMPLE SOON OF SAMPLE OF SAMPLE OF SAMPLE OF SAMPLE OF SAMPLE OF SAMPLE OF SAMPLE OF SAMPLE		
PROJECT UBATHAMA-BAAP SITE TOR PS - 9 1 - 3 5	ABB ENVIRONMENTAL SERVICES, INC	PAGE 18 OF 20
SITE ID R PS - 9 1 35 JOB MANRIER ASSS-04 FILE MAN CSO COLLECTION MEATINES CSO COLLECTION MEATINES CSO COLLECTION MEATINES CSO COLLECTION MEATINES CSO COLLECTION FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER	R9135000 SAMPLING DATE 9.18 91	
SEDIMENT DATA SEDIMENT DATA SEDIMENT SAMPLE	PROJECT USATHAMA-BAAP SITE TYPE	DTCH
SEDIMENT DATA DEPTH OF AMPLE O-6 IN TYPE OF SEDIMENT: TYPE OF SAMPLE ODCORRED TOTHER OTHER OTHER TYPE OF SAMPLE ODCORRED TYPE OF SAMPLE ODCORRED TYPE OF SAMPLE ODCORRED TOTHER OTHER O	SITE ID RPS-91-35 JOB NUMBER	6853-04
DESPIN OF SAMPLE O-6 18 TYPE OF SAMPLE DISCRETE COMPOSITE TYPE OF SAMPLE COMPOSITE SAMPLE COMPOSITE		
ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE NUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE 1D HUMBERS METHOD PRESERVATION VOLUME SAMPLE NUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE 1D HUMBERS AND A DEC C A	DEPTH OF SEDIMENT SAMPLE 0-6 IN TYPE OF SAMPLE DISCRETE COLLECTED COMPOSITE TYPE OF SAMPLE GRAVEL	GRAVITY CORER TULIP BULB PLANTER S.S. HAND SPOON ALUMINUM PAN PLASTIC SCOOP
METINOD PRESERVATION VOLUME SAMPLE PP METALS (SPECIFIED BELOW) JS12		1 ***:
PP NETALS (SPECIFIED BELOM) JS12 4 DEG C AAA 4 DEG C A		
PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, NG, NI, SB, SE, TL, ZN. TCLP METALS: CD, CR, NG, PB. JS12, 40 CFR 261.24 DC: 3 bottled EA: 1 bottle SIGNATURE: VM/MC	PP HETALS (SPECIFIED BELOW)	DC 2047 2047 2047 2048 2050 DC 2052
DC: 3 bottles EA: 1 bottle SIGNATURE: VM/MR	(LOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, JS12, B9, JD TCLP METALS: CD, CR, NG, PB.	/NA LM20 CD, CR ,CU, PB, NG, NI, SB, SE, TL, ZN.
EA: 1 bottle SIGNATURE: VM/MR	DC. 3 hottled	•
SIGNATURE: VM/MC	The 1 ball-	
	En. 1 Outloc	·
		İ
		SIGNATURE: VM/M
RECEIVED BI: WONTHALL ! TEOTOD		
		MEDELYED BI.

ABB ENVIRONMENTAL SERVICES, INC ATA RECORD - SEDIMENT FIELD SAMPLING NUMBER R9 1 35 000 SAMPLING DATE TO THE DATE
PROJECT USATHAMA-BAAP SITE TYPE DTCH
TE ID RPS - 91-35 JOB NUMBER 6853-04 WEATHER Claudy, 60'3
COCATION START: 1610 END: 1615
SEDIMENT DATA DEPTH OF EDIMENT SAMPLE 1-5 IN TYPE OF SAMPLE DISCRETE TOLLECTED COMPOSITE SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED GRAVITY CORER TULIP BULB PLANTER ORGANIC S.S. HAND SPOON HIGH PRESSURE OTHER OTHER SAMPLE OBSERVATIONS COOR AMBIENT SAMPLE
COLORED AIRPPH LOCATION PPH UNITS
METHOD PRESERVATION WOLUME SAMPLE
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, N1, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
* Resampled for musical hold time
SIGNATURE: VO) (1)? RECEIVED BY: (VO) (5) E POPO

		
ABB ENVIRONMENTAL SERVICES	s, INC	PAGE 20 OF 20
FIELD DATA RECORD - SEDIMENT FIELD SAM	PLING NUMBER R913600	SAMPLING DATE 9.18.71
PROJECT USATHAMA-BAAP	SITE TYPE DTCH	FILE NAME CSO
SITE 10 RPS - 911- 36	JOB NUMBER 6853-04	WEATHER Sunny, "40'S
ACTIVITY START: 1445 END: 1455	PROGRAM C	wirrly
SEDIMENT SAMPLE 0-6 IN SAMD CLAY SAMD CONFIDENCE COLLECTED COMPOSITE GRAVE SAMPLE OBSERVATIONS COOR AMBIEN	ALUMINUM PAN PLASTIC SCOOP OTHER SAMPLE	POTABLE WATER POTABLE WATER WITH HIGH PRESSURE OTHER
COLOREDAIR	O _r O PPN LOCATION	O.O PPH PH UNITS
### CD	HOD REQUIRED COLLECTED G C G C G C G C G C G C G C G C G C G C	SAMPLE BOTTLE ID NUMBERS 20 6% 10 10 10 10 10 10 10 10 10 10 10 10 10 1
(LOCATION SKETCH)	EA METHODS: VOC LM17, LM26 B/MA LM20 AG, AS, BE, CD, CR ,CU, PB, HG, NI JS12, B9, JD21, JD20, Y9. 4	1, SB, SE, TL, ZN.
	SI GNATURE :	me/vm
	BECEIVEN BY.	Manay F Rope

ABB ENVIRONMENTAL SERVICES, INC
ATA RECORD - SEDIMENT FIELD SAMPLING NUMBER R9136000 SAMPLING DATE 12231
TOJECT USATHAMA-BAAP SITE TYPE DTCL FILE NAME CSO
JOB NUMBER 6853-04 WEATHER COUCLY SUS
TIVITY START: 1620 END: 1625
SEDIMENT DATA
TYPE OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: CLAY CLAY CLAY CRAVITY CORER FOTABLE WATER POTABLE WATER POTABLE WATER FOTABLE WATER
SAMPLE OBSERVATIONS COLORED AMBIENT SAMPLE LOCATION PPM PM LOCATION PPM PM LOCATION PPM PM LOCATION PPM PM LOCATION PPM PM PM LOCATION PPM PM
ONALYTICAL PARAMETERS
NETHOD PRESERVATION VOLUME SAMPLE
THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZM. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC; 1 Totiles
* Resampled for missed hold time
SIGNATURE: VM MI

ABB ENVIRONMENTAL SERVICES, INC	PAGE 1 OF 20
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER	R9137000
PROJECT USATHAMA-BAAP SITE TYPE	DTC1- SAMPLING DATE 9.19.91
SITE ID R PS - 91-37 JOB NUMBER	6853-04
OCATION START: 0820 END: 0830	C WEATHER Sunny, 40'S
ACTIVITY START: 0820 END: 0830	
SEDIMENT DATA DEPTH OF SEDIMENT: SEDIMENT SAMPLE	EQUIPMENT USED FOR COLLECTION: GRAVITY CORER TULIP BULB PLANTER S.S. HAND SPOON ALUMINUM PAN PLASTIC SCOOP OTHER SAMPLE
COLORED AIR 0.0	PPH LOCATION 0.0 PPH PH NA UNITS
ANALYTICAL PARAMETERS	
PP METALS (SPECIFIED BELOW)	DC SAMPLE BOTTLE ID NUMBERS
PP METALS (PRIORITY POLLUTANT): AG, AS, BE, JS12, B9, JI TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24	/NA LM20
D(: 3 bottle EA: 1 bottle	
	SIGNATURE: VM/MR

ABB ENVIRONMENTAL SERVICES, INC	PAGE Q OF QO
PATA RECORD - SEDIMENT FIELD SAMPLING NUM	MBER R9138000 SAMELING DATE 010 C
PROJECT USATHAMA-BAAP SITE	TYPE DTCH SAMPLING DATE 9.19.91
SITE 10 R PS - 9 1 - 38 JOB NU	
ACTIVITY START: 0835 END: 0840	GRAM C
SEDIMENT DATA DEPTH OF IYPE OF SEDIMENT:	: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED
SEDIMENT SAMPLE 0-6 IN CLAY	GRAVITY CORER POTABLE WATER TULIP BULB PLANTER
TYPE OF SAMPLE DISCRETE SILT COLLECTED COMPOSITE GRAVEL OTHER	S.S. HAND SPOON ALUMINUM PAN PLASTIC SCOOP OTHER
SAMPLE OBSERVATIONS COLORED AMBIENT O C	SAMPLE LOCATION C.O PPM PH - UNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION	VOLUME SAMPLE
PP METALS (SPECIFIED BELOW)	REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS
	DS: VOC LM17, LM26 8/MA LM20 , BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. B9, JD21, JD20, Y9.
DC: 3 bottles	
EA: i bottle	
	SIGNATURE: VM/M2
	RECEIVED BY: Namy E Roka

J

ABB ENVIRONMENTAL SERVICES, INC	PAGE 3 of 20
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING HUMBER	R9 139000 COM THE DATE OF GROOM
PROJECT USATHAMA-BAAP SITE TYPE	DTCH SAFELING DATE 4.14.41
31TE 10 RPS-91-39 JOB NUMBER	6853-04 FILE NAME CSO WEATHER Sunny, "40's
ACTIVITY START: 0845 END: 0850	briezy
SEDIMENT DATA DEPTH OF SEDIMENT: SEDIMENT SAMPLE O-5 IN CLAY SAND COGGANIC TYPE OF SAMPLE COLLECTED COMPOSITE GRAVEL OTHER	EQUIPMENT USED FOR COLLECTION: GRAVITY CORER TULIP BULB PLANTER S.S. HAND SPOON ALUMINUM PAN PLASTIC SCOOP OTHER DECONTAMINATION FLUIDS USED POTABLE WATER HIGH PRESSURE OTHER
SAMPLE OBSERVATIONS COLORED AMBIENT O.O	PPH LOCATION O.C PPM PH UNITS
ANALYTICAL PARAMETERS	
	OLUME SAMPLE BOTTLE ID NUMBERS DC 2 2133 2132 DC 2 2135 DC 2 2135 DC 2 2136 DC 2 2136
PP METALS (PRIGRITY POLLUTANT): AG, AS, BE, JS12, B9, J TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24	B/NA LM20
DC: 3 bottles EA: 1 bottle	
•	SIGNATURE: VM/ME
	RECEIVED BY: Namay E. Roka

ABB ENVIRONMENTAL SERVICES, INC
DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER R914000 SAMPLING DATE 9,19.91
PROJECT USATHAMA-BAAP SITE TYPE DTCH
SITE ID RIPS - 91-40 JOB NUMBER 6853-04 WEATHER SUNCY, 946 5
ACTIVITY START: 0855 END: \$0900 PROGRAM C
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE 0-6 IN CLAY GRAVITY CORER POTABLE WATER WITH TYPE OF SAMPLE ORGANIC S.S. HAND SPOON HIGH PRESSURE COLLECTED COMPOSITE GRAVEL PLASTIC SCOOP
COLLECTED GRAVEL PLASTIC SCOOP OTHER
SAMPLE OBSERVATIONS COLORED AMBIENT C: C PPH LOCATION C.C PPM PH - UNITS
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE NUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS 4 DEG C
NOS * THESE ARE DATACHEM METHODS: EA METHODS: VOC LM17, LM26
LOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9.
TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
nc. 3 hattles
DC: 3 bottles EA: 1 bottle
SIGNATURE: VM/MC
RECEIVED BY: Navicy E Rolla

C

ŧ

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER RAILY, OOD SAMPLING DATE 9.19.91
PROJECT USATHAMA-BAAP SITE TYPE DTCH FILE NAME CSO
SITE ID R PS - 91 - 41 JOB NUMBER 6853-04 WEATHER SUNDY, 040'S
ACTIVITY START: DAD 5 END: DATO
SEDIMENT DATA DEPTH OF SEDIMENT: SEDIMENT: SEDIMENT: SEDIMENT: SEDIMENT: SEDIMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED TYPE OF SAMPLE DISCRETE COLLECTED COMPOSITE TYPE OF SAMPLE DISCRETE COLLECTED COMPOSITE TYPE OF SEDIMENT: FOUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED TYPE OF SAMPLE DISCRETE ORGANIC SILT ALUMINUM PAN PLASTIC SCOOP OTHER OTHER
SAMPLE OBSERVATIONS COLORED AMBIENT O O PPM LOCATION O PPM PM LOCATION D PPM PM PM LOCATION D PPM PM ANALYTICAL PARAMETERS
NETHOD PRESERVATION VOLUME SAMPLE
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, P8, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, P8. JS12, 40 CFR 261.24
DC: 3 bottles EA: 1 bottle
·
SIGNATURE: VM/MC
RECEIVED BY: UNANCE ROTE
RELEIVED BI: VVIII WALL INSTRUCT

BB ENVIRONMENTAL SERVICES, INC	PAGE 6 0F 20
TELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER R	SAMPLING DATE 9.17.71
PROJECT USATHAMA-BAAP SITE TYPE	DTCH FILE NAME CSO
SITE ID RPS-91-40 JOB NUMBER 60	853-04 WEATHER SULFACE CO
ACTIVITY START: 0915 END: 0920	brezy
SEDIMENT SAMPLE IN CLAY SAND TO ORGANIC S. S. S. S. S. S. S. S. S. S. S. S. S.	PMENT USED FOR COLLECTION: RAVITY CORER ULIP BULB PLANTER .S. HAND SPOON LUMINUM PAN LASTIC SCOOP THER
SAMPLE OBSERVATIONS COLORED AMBIENT AIR C.O PI	SAMPLE C.O PPM pH UNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION WOLUME MUMBER METHOD REQUIRED AL JS12 4 DEG C AL JS12 4 DEG C AL DEG C	SAMPLE COLLECTED SAMPLE BOTTLE ID NUMBERS 2174 2174 2171
* THESE ARE DATACHEM METHODS. EA METHODS: VOC B/MA I B/MA I PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, G JS12, B9, JD21, TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC' = bottles En: 1 bottles	CR ,CU, PB, HG, N1, SB, SE, TL, ZN.

RECEIVED BY: Nancy E Rofia

ABB ENVIRONMENTAL SERVICES, INC	PAGE OF
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER RAI HOOD	9.19 91
PROJECT USATHAMA-BAAP SITE TYPE DTC LI	cso
SITE ID R FS - 9 1 - 43 JOB NUMBER 6853-04	
LOCATION START: 0925 END: 0930 PROGRAM C	Sunny, (40 s)
SEDIMENT SAMPLE	TAMINATION FLUIDS USED POTABLE WATER POTABLE WATER WITH HIGH PRESSURE OTHER
COLORED AIR O. C PPM LOCATION U.O PPM	PHUNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION WOLUME REQUIRED COLLECTED SAMPLE BOTTLE IS PP METALS (SPECIFIED BELOW) AL DEG C ADA 4 DEG C ADA 5 DEG C ADA 5 DEG C ADA 6 DEG C ADA 6 DEG C ADA 6 DEG C ADA 6 DEG C ADA 6 DEG C ADA 6 DEG C ADA 6 DEG C ADA 6 DEG C ADA 6 DEG C ADA 6 DEG C ADA 6 DEG C ADA 6 DEG C ADA 6 DEG C ADA 6 DEG C ADA 6 DEG C ADA 7 DEG C ADA 6 DEG C ADA 6 DEG C ADA 6 DEG C ADA 6 DEG C ADA 6 DEG C ADA 6 DEG C ADA 6 DEG C ADA 6 DEG C ADA 6 DEG C ADA 6 DEG C ADA 6 DEG C ADA 6 DEG C ADA 6 DEG C ADA 6 DEG C ADA 6 DEG C ADA 7 DEG C ADA 6 DEG C ADA 6 DEG C ADA 7 DEG	D NUMBERS
* THESE ARE DATACHEN METHODS. EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) * THESE ARE DATACHEN METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, NG, NI, SB, SE, TL, ZN. JS12, 89, J021, J020, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24	
EA: 1 bollie	
SIGNATURE: VIYY MC	F Roles

Andrew Control of the second o

				
BB ENVIRONMENTAL			_	PAGE _
TELD DATA RECORD - SEDIME		<u> श्वाम्यवव</u>	SAMPLING DATE	3.17.71
PROJECT USATHAMA-BAAP	SITE TYPE	DTGH	FILE NAME	cso
LOCATION CONTRACTOR	JOB NUMBER PROGRAM	6853-04 C	WEATHER	Sunny 5-05
ACTIVITY START: 0440 END:				फ्रांरा म्
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE 1-5 IN TYPE OF SAMPLE COMPOSITE	TYPE OF SEDIMENT: CLAY SAND ORGANIC SILT GRAVEL OTHER	EQUIPMENT USED FOR COL- GRAVITY CORER TULIP BULB PLANTER S.S. HAND SPOON ALUMINUM PAN PLASTIC SCOOP OTHER		POTABLE WATER POTABLE WATER POTABLE WATER WITH HIGH PRESSURE OTHER
SAMPLE OBSERVATIONS COLORED	AMBIENT C. O	PPH SAMPLE LOCATION	C O PPH	PH UNITS
ANALYTICAL PARAMETERS	<u> </u>			
PP METALS (SPECIFIED BELOW) AL JS CA MA MCD CCR CMG CMG CPB JD FCLP METALS (SPECIFIED BELOW) AIT KF SO4 NN3N2 USEPA TOC USEPA	MBER METHOD REG 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 6 DEG C 7 DEG C	DC FA	SAMPLE BOTTLE 1	ID NUMBERS
TCLP METALS: CD	B RITY POLLUTANT): AG, AS, BE, JS12, B9, J	/NA LM20	, SB, SE, TL, ZN.	
DC: 3 voltes				
		SIGNATURE:	VM/NE	
			Naria	FRORA

ABB ENVIRONMENTAL SERVICES, INC	PAGE 9 OF
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P. 7: 45000 SAMPLING DATE	9.19.91
PROJECT USATHAMA-BAAP SITE TYPE DICH	
SITE ID RPS-91-45 JOB NUMBER 6853-04 WEATHER	
ACTIVITY START: 0955 END: 1000 PROGRAM C	brcezy
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE TYPE OF SAMPLE TYPE OF SAMPLE TYPE OF SAMPLE ORGANIC SILT GRAVITY CORER TULIP BULB PLANTER ORGANIC S.S. HAND SPOON ALUMINUM PAN PLASTIC SCOOP OTHER SAMPLE OBSERVATIONS COLORED LIGHT WOLF AIR O.C. PPM LOCATION O.C. PPM	MTAMINATION FLUIDS USED POTABLE WATER POTABLE WATER WITH HIGH PRESSURE OTHER DH — UNITS
METHOD PRESERVATION WOLUME SAMPLE COLLECTED SAMPLE BOTTLE PP METALS (SPECIFIED BELOW) AL AL AL AL AL AL AL AL AL AL AL AL AL A	ID NUMBERS
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 EA: 150112	
SIGNATURE: VIYI/ INE RECEIVED BY: VYAMELL	F Kota

,

BB ENVIRONMENTAL SERV	ICES, INC			PAGE 10 OF 20
ELD DATA RECORD - SEDIMENT FIE	LD SAMPLING NUMBER	RAIHEOC	SAMPLING DATE	9 9 3
PROJECT USATHAMA-BAAP	SITE TYPE	DTCH	FILE NAME	
TITE IDRPS - 91 - 46	JOB NUMBER	6853-04	WEATHER	
LOCATION START: 1005 END: 1010	PROGRAM	С		breey
SEDIMENT SAMPLE 1-5 IN TYPE OF SAMPLE DISCRETE COLLECTED COMPOSITE	PE OF SEDIMENT: /CLAY SAND five ORGANIC SILT fire GRAVEL OTHER	GRAVITY CORER TULIP BULB PLANT S.S. HAND SPOON ALUMINUM PAN PLASTIC SCOOP OTHER	ER Ú	NTAMINATION FLUIDS USED POTABLE WATER POTABLE WATER WITH HIGH PRESSURE OTHER
SAMPLE OBSERVATIONS ODORCOLORED	AMBIENT O. O	PPH LOCATION	O.D PPM	pH UNITS
ANALYTICAL PARAMETERS METHOD NUMBER PP METALS (SPECIFIED BELOW) AL JS12 CA MA VED VER ANG VER ANG VED VER ANG VED VER VAIG VER VAIG VER VAIG VER VAIG VER VAIG VER VAIG VER VAIG VER VAIG VER VAIG VER VER VER VER VER VER VER VE		DC SAMPLE COLLECTED	SAMPLE BOTTLE	ID NUMBERS
NOTE LOCATION SKETCH) THESE ARE DATACHEM METHO PP METALS (PRIORITY POLLUT TCLP METALS: CD, CR, HG, 8 JS12, 40 CFR	B TANT): AG, AS, BE, JS12, B9, J PB.	/NA LN20	NI, SB, SE, TL, ZN.	
EA: 1 trotile				
		SIGNATURE: RECEIVED BY:	· /: / -	E Roha

ABB ENVIRONMENTAL SERVICES, INC	PAGE 11 OF
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER	F4147000
ROJECT USATHAMA-BAAP SITE TYPE	DICH SAMPLING DATE
ITE 10 0 0 5 - 9 1 - 47 JOB HUMBER	6853-04 FILE NAME CSO
OCATION PROGRAM	C WEATHER CULTICAL MCS
CTIVITY START: 1015 END: 1025	breezy
DEDIMENT DATA DEPTH OF SEDIMENT SAMPLE	ECUIPMENT USED FOR COLLECTION: GRAVITY CORER TULIP BULB PLANTER S.S. HAND SPOON ALUMINUM PAN PLASTIC SCOOP OTHER DECONTAMINATION FLUIDS USED POTABLE WATER POTABLE WATER WITH HIGH PRESSURE OTHER
SAMPLE OBSERVATIONS COLORED AMBIENT OLO	PPM LOCATION O.O PPM PH - UNITS
	DC SAMPLE SAMPLE BOTTLE ID NUMBERS 2301 2301 2302 2302 2402
PP METALS (PRIORITY POLLUTANT): AG, AS, BE,	/NA LM20
	SIGNATURE: VYC S RECEIVED BY: 1 1 1 1 1

BB ENVIRONMENTAL SERVICES, INC
IELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER F. 3 - 2 0 00
PROJECT USATHAMA-BAAP SITE TYPE DIE FILE NAME CSO
11TE ID R P S - 9 1 - 4 5 JOB NUMBER 6853-04
LOCATION C DEATHER COLCUL, -40'S OTICELY
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE -5 IN CLAY GRAVITY CORER TULIP BULB PLANTER POTABLE WATER POTABLE WATER SAND SOME SILT SAMPLE SILT ALUMINUM PAN HIGH PRESSURE COLLECTED COMPOSITE GRAVEL OTHER OTHER OTHER
SAMPLE OBSERVATIONS COLORED AMBIENT O. G PPM LOCATION O. O PPM PM UNITS
ANALYTICAL PARAMETERS
NETHOD PRESERVATION VOLUME SAMPLE
NOES * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, 8E, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
EA: 1 bothles
plastic scoop not very effective at getting through grass + roots.
SIGNATURE: VM/ Mik
RECEIVED BY: Wang & Rotio

Ü

ABB ENVIRONMENTAL SERVICES, INC	PAGE 13_ OF
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER RETINENT OF	SAMPLING DATE 9.129:
PROJECT USATHAMA-BAAP SITE TYPE TITCH	FILE NAME CSO
SITE 10 RIF S - 9 1 1 1 9 3 JOB NUMBER 6853-04	WEATHER CICLIDAL CHOICE
ACTIVITY START: 1:55 END: 1200	जित्तरं मु
SEDIMENT DATA DEPTH OF SEDIMENT: SAMPLE OLIPMENT USED FOR COLLECTED COLLECTED COMPOSITE TYPE OF SAMPLE DISCRETE GRAVEL PLASTIC SCOOP OTHER TYPE OF SAMPLE DISCRETE GRAVEL OTHER OTHER OTHER TYPE OF SAMPLE DISCRETE GRAVEL OTHER	DECONTAMINATION FLUIDS USED POTABLE WATER POTABLE WATER WITH HIGH PRESSURE OTHER
SAMPLE OBSERVATIONS COOR AMBIENT OC PPM LOCATION C	C PPM PM - UNITS
ANALYTICAL PARAMETERS	
SO4	
NOES * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, S JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24	SB, SE, TL, ZM.
DC 3 bother EA. 1 bother	
plastic scrop still not very effective we to use tulip bulb planter.	rill romanue
SIGNATURE:	Ven/ ITR
RECEIVED BY:	

_	
1	ABB ENVIRONMENTAL SERVICES, INC
1	DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER POR SAMPLING DATE CONTROL SAMPLING DATE
•	PROJECT USATHAMA-BAAP SITE TYPE DECEMBER CSO
	SITE ID R POST OF THE COLUMN C
٠	ACTIVITY START: 1215 END: 1215
l	SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE 1-5
	TYPE OF SAMPLE DISCRETE SILT ALUMINUM PAN OTHER COLLECTED COMPOSITE GRAVEL OTHER OTHER ORGANIC JS.S. HAND SPOON HIGH PRESSURE ALUMINUM PAN OTHER OTHER OTHER
Ì	SAMPLE OBSERVATIONS COLORED AMBIENT C C PPH LOCATION C C PPH PH UNITS
	ANALYTICAL PARAMETERS
	METHOD PRESERVATION VOLUME SAMPLE NUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS PP METALS (SPECIFIED BELOW) 4 DEG C / / /
	AL JS12 4 DEG C
	LINA I ADECC LI / / / I
	M CR
	# VOC LM25 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 5 DC 6 355
	KT07 4 DEG C 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	USEPA CE-81-1 4 DEG C
	* VOC LM23 4 DEG C Eff 2345 ///
	NAM
	DNT LW23 4 DEG C
	L/
	NOS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26
	(LOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN.
	JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
1	DC 3 botiles
	EA: 1 bottles
l	
l	
l	
İ	SIGNATURE: VIYO NOV
l	RECEIVED BY: Warre E Rota

	
ABB ENVIRONMENTAL SERVICES, INC	PAGE 15 OF 20
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER RATES 1000	
PROJECT USATHAMA-BAAP SITE TYPE TO THE SAMPLING DATE	
SITE ID R F C - 4 : - 5 : JOB NUMBER 6853-04 WEATHER	
LOCATION ACTIVITY START: 1220 END: 1225	crezy
SEDIMENT SAMPLE -H IN CLAY GRAVITY CORER TULIP BULB PLANTER CONTROL CONTRO	MIGH PRESSURE
COLORED AIR OO PPH LOCATION OO PPH	PH UNITS
### ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE COLLECTED	ID HUMBERS
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 D(: 3 TOTTE! EA: 1 TOTT! LOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24	•
SIGNATURE: VM/NR RECEIVED BY: 1 Namey	E Rotia

	i/ he i
ABB ENVIRONMENTAL SERVICES, INC FINAL PATA RECORD - SEDIMENT FIELD SAMPLING NUMBER	PAGE 16 OF 20
PROSET USATHAMA-BAAP SITE TYPE	R9152000 SAMPLING DATE 9.19.91
SITE ID RPS - 9 - 5 - JOB NUMBER	6853-04 FILE NAME CSO
LOCATION PROGRAM	C WEATHER Croudy, "40'5
ACTIVITY START: 1230 END: 1255	briery
SEDIMENT DATA DEPTH OF SEDIMENT: SEDIMENT SAMPLE O 3 IN TYPE OF SAMPLE COLLECTED ORGANIC SILT GRAVEL OTHER	EQUIPMENT USED FOR COLLECTION: GRAVITY CORER TULIP BULB PLANTER S.S. HAND SPOON ALUMINUM PAN PLASTIC SCOOP OTHER
SAMPLE OBSERVATIONS COLORED AMBIENT O.O	PPH LOCATION C.C PPM PH UNITS
ANALYTICAL PARAMETERS	
	LUME SAMPLE BOTTLE ID NUMBERS 2404 2404 2405 2407 DC 2407
PP METALS (PRIORITY POLLUTANT): AG, AS, BE,	/NA LM20
DC 3 lantiles FA: 1 bootle	
	SIGNATURE: VIN/ ME RECEIVED BY: Name E Roka

ABB ENVIRONMENTAL SERVICES, INC	PAGE 17 OF 30
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING HUMBER	
PROJECT USATHAMA-BAAP SITE TYPE	TICH SAFETAN DATE 7.74.41
SITE ID RFS-91-53 JOB NUMBER	
LOCATION PROGRAM	MEATHER Cloudy "HC'S
ACTIVITY START: 1245 END: 1250	breezy
SEDIMENT DATA DEPTH OF SEDIMENT: SEDIMENT SAMPLE [-5 IN CLAY SAND CORGANIC ORGANIC COMPOSITE COLLECTED COMPOSITE GRAVEL OTHER COLLECTED COMPOSITE	FOUIPMENT USED FOR COLLECTION: GRAVITY CORER TULIP BULB PLANTER S.S. HAND SPOON ALUMINUM PAN PLASTIC SCOOP OTHER
SAMPLE OBSERVATIONS COLORED AMBIENT CO.O	PPM LOCATION 0.2 PPM PH UNITS
ANALYTICAL PARAMETERS	
	COLLECTED SAMPLE BOTTLE ID MUMBERS 2427 2427 2427 2427 2427 2427
	B/NA LH20
PP METALS (PRIORITY POLLUTANT): AG, AS, BE JS12, B9,	, CD, CR, CD, PB, NG, NI, SB, SE, IL, ZM. JD21, JD20, Y9.
TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24	į
DC: 3 bottles EA: 1 bottle	
	SIGNATURE: VM/VR
	RECEIVED BY: Warray E. Rota
	Land Apply Control of the Control of

BB ENVIRONMENTAL SERVICES, INC
,
PROJECT USATHAMA-BAAP SITE TYPE DTCH SAMPLING DATE
FILE NAME CSO SITE ID R PS - 9 - 5-1 JOB NUMBER 6853-04
LOCATION PROGRAM C
ACTIVITY START: 1300 END: 1305
SEDIMENT DATA DEPTH OF SEDIMENT:
SAMPLE OBSERVATIONS COOR AMBIENT OD PPM LOCATION C.C PPM PH UNITS
NALYTICAL PARAMETERS
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 .OCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, 2N. JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
EA: 1 bottles
SIGNATURE: VM/NR. RECEIVED BY: UNDIANCE E. Cofca

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER FREE SERVICES SAMPLING DATE GARAGE
PROJECT USATHAMA-BAAP SITE TYPE FILE NAME CSO
SITE ID FFS - FI - FI D JOB NUMBER 6853-04 WEATHER CLOUDER "405
LOCATION ACTIVITY START: 1315 END: 1370
SEDIMENT DATA DEPTH OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED SEDIMENT SAMPLE 1.5 IN CLAY GRAVITY CORER POTABLE WATER WITH TYPE OF SAMPLE OF SAMPLE OF SAMPLE COLLECTED COMPOSITE GRAVEL OTHER OTHER OTHER OTHER OTHER
SAMPLE OBSERVATIONS ODOR ANBIENT C. C PPM LOCATION C. O PPM PM UNITS
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE PP METALS (SPECIFIED BELOW) 4 DEG C AL AL AL AL AL AL AL AL AL AL AL AL AL
* THESE ARE DATACHEM METHODS. EA METHODS: VOC BYNA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, 40 CFR 261.24 TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 TCL 3 5-1-1-2-3 TCLP METALS: CD, CR, HG, PB. JS12, We General Control of the C

RECEIVED BY:

BB ENVIRONMENTAL SEF	RVICES, INC PAGE 20 OF 20
ELD DATA RECORD - SEDIMENT	FIELD SAMPLING NUMBER F. 7 . 5 6 0 00 SAMPLING DATE 9.13 3
PROJECT USATHAMA-BAAP	SITE TYPE FILE NAME CSO
SITE 10 RPS - 911-56	JOB NUMBER 6853-04 WEATHER COUNTY SHOULD
LOCATION START: 1320 END: 133	PROGRAM C
SEDIMENT DATA DEPTH OF SAMPLE - IN TYPE OF SAMPLE DISCRETE	TYPE OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED CLAY
COLLECTED COMPOSITE SAMPLE OBSERVATIONS CODOR	GRAVEL PLASTIC SCOOP OTHER SAMPLE
COLORED	AIR O.O PPH LOCATION C.O PPM PH — UNITS
ANALYTICAL PARAMETERS METHOD NUMBER PP METALS (SPECIFIED BELOW) AL JS12 CA JAMA CCD Y9 ZPB JD21 ACLP METALS (SPECIFIED BELOW) MIT KF17 S04 KF17 S04 KF17 AN3N2 USEPA 350.2 USEPA CE-81-1 DPH SW846 METHOD 90 LM23 LM25 LM27 LM28 LM27 LM08 LM27 LM08 LM28 LM18 LM18 LM18 LM18 LM18 LM18 LM18 LM1	
NOS * THESE ARE DATACHEM M LOCATION SKETCH) PP METALS (PRIORITY PO TCLP METALS: CD, CR, H	B/NA LM20 LLUTANT): AG, AS, BE, CD, CR ,CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9.
	RECEIVED BY: Naviou E Rossa

Ü

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER R9157000 SAMPLING DATE 3 30 31
PROJECT USATHAMA-BAAP SITE TYPE DTCH FILE NAME CSO
SITE ID R PS-91-57 JOB NUMBER 6853-04 WEATHER SULPCH SOLS
ACTIVITY START: 0825 END: 0835
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE
SAMPLE OBSERVATIONS ODOR AMBIENT O D PPH LOCATION O D PPH PH UNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE
PP METALS (SPECIFIED BELOW)
NOSS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) 8/MA LM20
PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9.
TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
UC: 3 boiles
EA: i bortle
SIGNATURE: VM/ MK
RECEIVED BY: Warrie F. Rotza

<u></u>	
BB ENVIRONMENTAL SERVICES, INC	PAGE 2 OF 20
IELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER R	SAMPLING DATE 7.20.9
PROJECT USATHAMA-BAAP SITE TYPE	TICH FILE NAME CSO
ITE 10 R P S - 9 : - 5 8 JOB NUMBER 685	3-04 HEATHER SUMMY "SD 3
LOCATION PROGRAM C	MEATRER SUMMU 303
ACTIVITY START: USH 5 END: 05 45	
SEDIMENT DATA DEPTH OF TYPE OF SEDIMENT: EQUIPM	ENT HEED FOR COLLECTION. DECONTANTHATION CHIEFD
SEDIMENT SAMPLE _5 IN	ENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED IN SUPPLY CORER IP SULB PLANTER IP SULB PLANTER WITH
/ ☑ ORGANIC □, S.S	. HAND SPOON HIGH PRESSURE
COLLECTED LICOMPOSITE LIGRAVEL LIPLA	STIC SCOOP
SAMPLE OBSERVATIONS GOOR AMBIENT	SAMPLE
COLORED AIR O. O PPH	1 1 1 1
NALYTICAL PARAMETERS	
NALTITUAL PARAMETERS METHOD PRESERVATION VOLUME NUMBER METHOD REQUIRED	SAMPLE COLLECTED SAMPLE BOTTLE ID NUMBERS
PP METALS (SPECIFIED BELOW) 4 DEG C	SAFETE BOTTLE TO NUMBERS
AL JS12 4 DEG C LCA 4 DEG C LNA 4 DEG C	
[일CD 4 DEG C	A530
_dHG Y9 4 DEG C	
JD21 4 DEG C CLP METALS (SPECIFIED BELOW) 4 DEG C	2532 2532 2531
1T KF17 4 DEG C 504 KT07 4 DEG C	
NH3N2 USEPA 350.2 4 DEG C USEPA CE-81-1 4 DEG C	
PH SU846 METHOD 9045 4 DEG C LM23 4 DEG C	· · · · · · · · · · · · · · · · · · ·
LM25 4 DEG C LM27 4 DEG C	£A. 2533 / / / / / / / / / / / / / / / / / /
DNAM LNOS 4 DEG C ADNT LW23 4 DEG C	2 (355 / - / - / - / - / - / - / - / - / - /
]	
	}
NOS: * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM	17, LM26
OCATION SKETCH) B/NA LM PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR	20
JS12, 89, JD21, JD TCLP METALS: CD, CR, HG, PB.	
JS12, 40 CFR 261.24	
DC: 3 boHles	
FA: 1 trottle	
EM. I COUL	
	SIGNATURE: VM/MR
	PECELVED BY: 1/10 MOLL E. KOTOGO

ABB ENVIRONMENTAL SERVICE	S. INC			PAGE 3 OF
•	UMPLING NUMBER	R9.570	ত্রতা	
PROJECT USATHAMA-BAAP	SITE TYPE	DICH	SAMPLING DATE	1 70
SITE 10 R PS - 91 - 59	JOB NUMBER	6853-04	FILE NAME	<u></u>
LOCATION START: 0900 END: 0905	PROGRAM	С	WEATHER	Lunny, 30 s
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE) unic : rel	GRAVITY CORER TULIP BULB PLANT S.S. HAND SPOON ALUMINUM PAN PLASTIC SCOOP OTHER	rer d	NTAMINATION FLUIDS USED POTABLE WATER POTABLE WATER WITH HIGH PRESSURE OTHER
SAMPLE OBSERVATIONS COLORED AMBIE		PPH SAMPLE LOCATION	O C PPH	pHUNITS
ANALYTICAL PARAMETERS METHOD PRESE	RVATION VO	LUME SAMPLE		
PP METALS (SPECIFIED BELOW) AL JS12 4 D CA 4 D MA 4 D CD 4 D CCR 4 D CCR 4 D CCR 4 D CCR 4 D CCR 4 D CCR 4 D CCR 4 D CCR 4 D CCR 4 D CCR 4 D CCR 4 D CCR 4 D CCR 4 D CCR 4 D CCR 4 D CCR 4 D CCR 4 D CCR 6 D C	EG C C EG C EG C C EG C EG C C EG C E	DC COLLECTED DC CO	SAMPLE BOTTLE	ID NUMBERS
* THESE ARE DATACHEM METHODS. PP METALS (PRIORITY POLLUTANT) TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.	B, : AG, AS, BE, JS12, B9, J	/NA LM20	, NI, SB, SE, TL, ZN.	
EA: 1 butted				4
		SIGNATURE: RECEIVED BY:	Vm/NK	E lution.

BB ENVIRONMENTAL SERVICES, INC	_ [
TELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER R9: 6000 SAMPLING DATE 9.70 9:	٦
PROJECT: USATHAMA-BAAP SITE TYPE DTCL FILE NAME CSO	-
11TE ID RPS - 91 - 60 JOB NUMBER 6853-04 WEATHER SULPCH, \$50'S	-
LOCATION START: 0915 END: 0720 PROGRAM C	ין וי
SEDIMENT DATA	
DEPTH CF SEDIMENT SAMPLE [-5 IN CLAY GRAVITY CORER POTABLE WATER SAND TULIP BULB PLANTER POTABLE WATER WITH	SED
TYPE OF SAMPLE DISCRETE SILT ALUMINUM PAN OTHER OTHER	-
SAMPLE OBSERVATIONS COLORED AMBIENT OO PPM LOCATION OO PPM PH UNIT	s
NALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE	
NUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS	
I AI I I I I I I I I I I I I I I I I I	=
MA 4 DEG C	-
□ MG Y9 4 DEG C □	=
TOLP METALS (SPECIFIED BELOW) JO21 4 DEG C A DCC	_
11T KF17 4 DEG C 2 3573 / / / / / / / / / / / / / / / / / / /	=
NH3N2 USEPA 350.2 4 DEG C ///// TOC USEPA CE-81-1 4 DEG C ///// OH SUBA66 METHOD 9045 4 DEG C	-
PH SW846 METHOD 9045 4 DEG C	-
YOC	_
UNAM LNOS 4 DEG C DC	_
	=
	=
NOS THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26	{
LOCATION SKETCH) B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, SE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN.	
JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB.	
JS12, 40 CFR 261.24	
DC: 3 bottles	
EA: 1 bothc	
ER. 1 001/00	
	1
	Ì
SIGNATURE: VM/MC	
RECEIVED BY: UNIVICU E. RORO	_

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER ROLL 6:000 SAMPLING DATE 9.20.7
PROJECT USATHAMA-BAAP SITE TYPE DTCH FILE NAME CSO
SITE ID [5 - 7 : - 6 :] JOB NUMBER 6853-04 WEATHER SUMON, "50'S
ACTIVITY START: 0925 END: 0930
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE -5 IN TYPE OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED GRAVITY CORER TULIP BULB PLANTER ORGANIC S.S. HAND SPOON HIGH PRESSURE OTHER OTHER OTHER
SAMPLE OBSERVATIONS COLORED AMBIENT C.O PPH LOCATION O.O PPH PH UNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE
PP METALS (SPECIFIED BELOW)
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) ** THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, 89, J021, J020, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 3 VOTTLES EA: COTTLES SIGNATURE: VM/M2
RECEIVED BY: Namely E Kora

Control of the Control of the Control of the

BB ENVIRONMENTAL SERVICES, INC	PAGE <u>6</u> OF <u>20</u>
TIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER	SAMPLING DATE 9.20 9
· • • • • • • • • • • • • • • • • • • •	FILE NAME CSO
SITE ID R P 5 - 9 1 - 6 2 JOB NUMBER 6853-	WEATHER SUCCESSOS
LOCATION ACTIVITY START: 0940 END: 0945	
SEDIMENT SAMPLE - IN CLAY GRAVE SAND TULIP ORGANIC S.S. TYPE OF SAMPLE DISCRETE SILT ALUMIN	T USED FOR COLLECTION: TY CORER BULB PLANTER HAND SPOON HIGH PAN IC SCOOP DECONTAMINATION FLUIDS USED POTABLE WATER HIGH PRESSURE OTHER OTHER
SAMPLE OBSERVATIONS COLORED AMBIENT AIR C.O PPM	SAMPLE LOCATION O. O PPM PH UNITS
ANALYTICAL PARAMETERS	
PP METALS (SPECIFIED BELOW)	SAMPLE DILECTED SAMPLE BOTTLE 1D NUMBERS 2615 2617 2618 2618
LOCATION SKETCH) B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, (CU, PB, HG, NI, SB, SE, TL, ZN.
JS12, B9, JD21, JD20 TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24	, I Y.
DC: 3 buttles EA: 1 t-ottle	
	SIGNATURE: VM/MZ
R	ECEIVED BY: Namai E Rota

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER ROLL 63 000
PROJECT USATHAMA-BAAP SITE TYPE DICH
SITE TO R PS - 91 - 53 JOB NUMBER 6853-04 WEATHER CLOCK 2505
LOCATION START: 0950 END: 0955
SEDIMENT DATA
DEPTH OF SEDIMENT SAMPLE
TYPE OF SAMPLE DISCRETE SILT ALUMINUM PAN OTHEROTHER
SAMPLE OBSERVATIONS ODOR AMBIENT OLO PPM SAMPLE COLORED ON THE COLORED OF THE COL
ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE
PP METALS (SPECIFIED BELOW) AL JS12 A DEG C A DEG C A DEG C
4 DEG C
JD21 4 DEG C TCLP METALS (SPECIFIED BELOW) KF17 4 DEG C 2636 /
NIT
TOC USEPA CE-81-1 4 DEG C
*
HG LW27 4 DEG C GGS7 / / / / / / / / / / / / / / / / / / /
DINT LW23 4 DEG C
NOS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) 8/NA LM20
PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9.
TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
DC: 3 bottles
EA: 1 both le
SIGNATURE: VM/MR
RECEIVED BY: Namey E Rotea

BB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER RAILS 4000 SAMPLING DATE 9.20 9
PROJECT USATHAMA-BAAP SITE TYPE DTC+1 FILE NAME CSO
SITE ID ROS - 91-54 JOB NUMBER 6853-04 WEATHER CLUTING 50'S
LOCATION START: 1020 END: 1025
SEDIMENT DATA
DEPTH OF THE TOTAL TYPE OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USE
SAND TYCOL TULIP BULB PLANTER LI POTABLE WATER WITH
TYPE OF SAMPLE DISCRETE SILT ALUMINUM PAN OTHER COLLECTED COMPOSITE GRAVEL PLASTIC SCOOP OTHER OTHER
OTHER OTHER OTHER SAMPLE COOR AMBIENT COORS
COLORED AIR OO PPM LOCATION OO PPM PH UNITS
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE NUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS DO METALO (CONTROLLED DE COLLECTED)
PP METALS (SPECIFIED BELOW) 4 DEG C//
LINA 4 DEG C
4 DEG C
JOST JOST JOST JOST JOST JOST JOST JOST
NIT KF17 4 DEG C 2657 2657 2657 2657 2657 2657 2657 2657
NH3N2 USEPA 350.2 4 DEG C TOC USEPA CE-81-1 4 DEG C
PH
Ming
NOS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26
LOCATION SKETCH) B/NA LM20 PP ME: ALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN.
JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB.
JS12, 40 CFR 261.24
DC: 3 buttles
EA: 1 bottles
1000
SIGNATURE: VM/M
RECEIVED BY: Warrich E. Rofla

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER F. 9165000 SAMPLING DATE 720 91
PROJECT USATHAMA-BAAP SITE TYPE FILE NAME CSO
SITE ID R P S - 3 - 4 5 JOB NUMBER 6853-04
LOCATION START: 1025 END: 1030 PROGRAM C
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE
SAMPLE OBSERVATIONS COLORED AND LOCATION C.C PPM PH AND UNITS
NETHOD PRESERVATION VOLUME SAMPLE SAMPLE BOTTLE ID NUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 BYNA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 3 boffer EA: 1 boffer
SIGNATURE: VNI/ME RECEIVED BY: VNOVICE F POTTO

BB ENVIRONMENTAL SERVICES, INC
-IELD DATA RECORD - SEDIMENT FIE.D SAMPLING NUMBER R9 66000 SAMPLING DATE 9.20.91
PROJECT USATHAMA-BAAP SITE TYPE DICH
11TE ID RP 3 - 91 - 66 JOB NUMBER 6853-04 MEATHER SUITING "50"5
LOCATION START: [345' END: 1050 PROGRAM C
SEDIMENT DATA DEPTH OF SEDIMENT: SEDIMENT SAMPLE - IN
SAMPLE OBSERVATIONS COLORED AMBIENT SAMPLE LOCATION PPM PH UNITS
NALYTICAL PARAMETERS
NOSS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
DC: 3 bottles EA: 1 bottles
SIGNATURE: VM/NR RECEIVED BY: 1 N. WYCH E. ROPER

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER R9 6700 SAMPLING DATE 9.30 9
PROJECT USATHAMA-BAAP SITE TYPE DICH FILE NAME CSO
SITE 10 RPS - 19 1 - 67 JOB NUMBER 6853-04 WEATHER 34004 '50'S
ACTIVITY START: 1055 END: 1100 PROGRAM C
SEDIMENT DATA
DEPTH OF SEDIMENT SAMPLE 1M
TYPE OF SAMPLE DISCRETE SILT SOME ALUMINUM PAN OTHER OTHER OTHER
SAMPLE OBSERVATIONS COLORED AMBIENT C. C PPM LOCATION O,O PPM PH — UNITS
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE NUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS 4 DEG C 5 DEG C 6 DEG C 6 DEG C 6 DEG C 7
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 TC: 3 bottled EA: 1 bottled
SIGNATURE: VM/MZ
RECEIVED BY: Namy E. Rotal

The same of the sa

B ENVIRONMENTAL SER	RVICES, INC F9 1650	PAGE 13. OF 20
FIELD DATA RECORD - SEDIMENT	FIELD SAMPLING NUMBER	
PROJECT USATHAMA-BAAP	SITE TYPE	SAMPLING DATE 9.20 71
SITE 10 RPS - 9 (- 68	JOB NUMBER 6853-04	FILE NAME CSO WEATHER Set n 04 , 9505
LOCATION START: 1105 END: 111	PROGRAM C	active (Serving 7 - 503)
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE [IYPE OF SEDIMENT: EQUIPMENT USED FOR CLAY GRAVITY CORER TULIP BULB PLAN SILT ALUMINUM PAN PLASTIC SCOOP OTHER	POTABLE WATER OTABLE WATER WITH
SAMPLE OBSERVATIONS COLORED COLORED	AMBIENT SAMPLE LOCATION	O.O PPM pH — UNITS
ANALYTICAL PARAMETERS		
PP METALS (SPECIFIED BELOW) AL JS12 CA MA CCD CR HG PB JD21 TCLP METALS (SPECIFIED BELOW) MIT SO4 KT07 NH3N2 USEPA 350.2 USEPA 250.2 TOC USEPA CE-81-1 PM SW846 METHOD 90 LM23 BN/A LM25 HAM UN08 UN08 UN08 UN08 UN08 UN08 UN08 UN08		2740 2740 2740 2741 2741 2743 2744
(LOCATION SKETCH) PP METALS (PRIORITY PO TCLP METALS: CD, CR, H	ETHOOS. EA METHOOS: VOC LM17, LM26 B/NA LM20 LLUTANT): AG, AS, BE, CD, CR ,CU, PB, HG JS12, B9, JD21, JD20, Y9. G, PB. CFR 261.24	i, NI, SB, SE, TL, ZN.
	SIGNATURE	: VM/MR. F Ratio

		15	
ABB ENVIRONMENTAL SERVI	CES, INC.	PAGE OF	
FIELD DATA RECORD - SURFACE WATER	FIELD SAMPLING NUMBER R7,01000		
PROJECT USATHAMA-BAAP	SITE TYPE POND SAMPLING DA	TE 9 20.91	
SITE ID RFW-71-01	JOB NUMBER 6853-04 FILE NA	ME CSW	
LOCATION ACTIVITY START: 1300 END: 1305	PROGRAM C WEATH	ER Surey, 60%	
SURFACE WATER DATA	SAMPLE LOCATION TYES	TYPE OF	
WATER DEPTH 1-2" PT	ERATURE 22 DEG C. SKETCH BELOW? NO	SURFACE WATER: STREAM RIVER POND/LAKE	
DEPTH OF SAMPLE & Surface FT PH.	8.5 UNITS AMBIENT AIR	PPM	
FOR COLLECTION NONE, GRAB INTO BOTTLE BOMB SAMPLER SPEC	SAMPLE LOCATION LOCATION	DECONTAMINATION FLUIDS USED: POTABLE WATER NOME	
ANALYTICAL PARAMETERS METHOD NUMBER	PRESERVATION VOLUME SAMPLE SAMPLE BOTTLE METHOD REQUIRED COLLECTED	ID NUMBERS LEB	
NUMBER N	HN03 TO pH<2 H2S04 TO pH<2 4 DEG C 4 DEG C 4 DEG C H2S04 TO pH<2 PM 1 4 DEG C		
NOTES * THESE ARE DATACHEM METHODS: EA METHODS: VOC UM19, UM26 (LOCATION SKETCH?) TAL METALS (TOXIC ANALYTE LIST): AL, SB, AS, BA, BE, CD, CA, CR, CO, CU, FE, PB, MG, MN, HG, NI, K, SE, AG, NA, TL, V, ZN. SS12, AX8, CC8, SD25, SD29, SD18 **METHOD NUMBER FOR TL PENDING CERTIFICATION			
RPW-91-01 Rocket Paste Pora			
road	voc loo		
TO 8 (2) (2)	RECEIVED BY: LIVOURCY E. ROTRO		
MD 8/9/89	RECEIVED BY:		
	——————————————————————————————————————		

ABB ENVIRONMENTAL SERVICES, INC	PAGE OF
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER FIELD COO SAMPLING DATE	225.0
PROJECT USATHAMA-BAAP SITE TYPE TO FILE NAME	9 20 91
SITE ID NIF 3-9-11 JOB NUMBER 6853-04	Junny 150 S
LOCATION ACTIVITY START: 1520 END: 1525	[- <u>weight 30.3.]</u>
SEDIMENT SAMPLE CLAY GRAVITY CORER SAND TULIP BULB PLANTER CORGANIC S.S. HAND SPOON	ITAMINATION FLUIDS USED POTABLE WATER POTABLE WATER WITH HIGH PRESSURE OTHER
SAMPLE OBSERVATIONS COLORED AMBIENT OD PPM SAMPLE LOCATION DO PPM	pH UNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE	
PP METALS (SPECIFIED BELOW)	D NUMBERS
NOSS (LOCATION SKETCH) * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24	
SIGNATURE: VITT ME	

DEDIMENT DATA DEPTH OF SEDIMENT: START: SOUR END: DEDIMENT DATA DEPTH OF SEDIMENT: SOUR PROGRAM DEPTH OF SEDIMENT: SOUR PROGRAM DEPTH OF SAMPLE OSSERVATIONS COOR AND SOUR COLORED ALIMINATION PROSPER OF COLLECTED OTHER DISCRETE COMPOSITE DISCRETE COLORED AND SOUR ALIMINATION PAIN DOTHER DOLLECTED OTHER DEPTH OF SAMPLE OSSERVATIONS COOR AND COLORED ALIMINATION PAIN DOTHER DOLLECTED OTHER DEPTH OF SAMPLE OSSERVATIONS COOR AND COLORED ALIMINATION PAIN DOTHER DOLLECTED OTHER DEPTH OF SAMPLE OSSERVATIONS COOR AND COLORED ALIMINATION PAIN DOTHER DEPTH OF SAMPLE OSSERVATIONS COOR AND COLORED ALIMINATION PAIN DOTHER DEPTH OF SAMPLE OSSERVATIONS COOR AND COLORED ALIMINATION PAIN DOTHER DEPTH OF SAMPLE OSSERVATIONS COOR AND COLORED ALIMINATION PAIN DOTHER DISTRICT OF SAMPLE OSSERVATION OF SAMPLE SAMPLE SAMPLE SAMPLE BOTTLE ID HUMBERS PP HETALS (SPECIFIED BELOW) STORY A DEG C DOC A DEG C DOC A DEG C DOC A DEG C SAMPLE OSSERVATION OSS A DEG C SAMPLE SAMPLE BOTTLE ID HUMBERS DOC A DEG C SAMPLE OSSERVATION OSS A DEG C DOC BOTTLE OSSERVATION OSS A DEG C DOC BOTTLE OSSERVATION OSS A DEG C SAMPLE SAMPLE BOTTLE ID HUMBERS DOC SAMPLE SAMPLE BOTTLE ID HUMBERS DOC SAMPLE SAMPLE BOTTLE ID HUMBERS DOC SAMPLE BOTTLE ID HUMBERS DOC SAMPLE SAMPLE BOTTLE ID HUMBERS DOC SAMPLE SAMPLE BOTTLE ID HUMBERS DOC SAMPLE BOTTLE ID HUMBERS DOC SAMPLE SAMPLE BOTTLE ID HUMBERS DOC SAMPLE SAMPLE BOTTLE ID HUMBERS DOC SAMPLE SAMPLE BOTTLE ID HUMBERS DOC SAMPLE SAMPLE BOTTLE ID HUMBERS DOC SAMPLE SAMPLE BOTTLE ID HUMBERS DOC SAMPLE SAMPLE BOTTLE ID HUMBERS DOC SAMPLE SAMPLE DOC SAMPLE SAMPLE BOTTLE ID HUMBERS DOC SAMPLE SAMPLE BOTTLE ID HUMBERS DOC SAMPLE SAMPLE DOC SAMPLE SAMPLE BOTTLE ID HUMBERS DOC SAMPLE SAMPLE DOC SAMPLE SAMPLE BOTTLE ID HUMBERS DOC SAMPLE SAMPLE DOC SAMPLE SAMPLE BOTTLE ID HUMBERS DOC SAMPLE SAMPLE DOC SAMPLE BOTTLE ID HUMBERS DOC SAMPLE SAMPLE DOC SAMPLE SAMPLE BOTTLE ID HUMBERS DOC SAMPLE SAMPLE DOC SAMPLE SAMPLE BOTTLE ID HUMBERS DOC SAMPLE SAMPLE DOC SAMPLE SAMPLE BOTTLE ID H		
STET TYPE STANTIS TIP 30	ABB ENVIRONMENTAL SERVICES, II	NC N PAGE 15 OF 20
STITE TO PATE OF SECULATION START: 1-30 END: 1-2 DEPTH OF SECULATION SHOWS THE CLAY SECULATION SHOWS THE SECULATI	ATA RECORD - SEDIMENT FIELD SAMPLING	NUMBER 7110000 CAMPILING DATE 723
THE TO PLATE STARTS: 1-30 ENG: 1-30	ROJECT USATHAMA-BAAP SIT	TE TYPE
DEDIMENT DATA DETAIL OF SEDIMENT: CLAY DETAIL OF SEDIMENT: SAMPLE O-3 IN SAMP CLAY SAMPLE OD SERVATIONS DAMPLE ODDOR NALYTICAL PARAMETERS NALYTICAL PARAMETERS NALYTICAL PARAMETERS NETHOD PRESSENTION VOLUME SAMPLE DESCRIPTION RETORD PRESSENTION VOLUME SAMPLE DESCRIPTION RETORD PRESSENTION VOLUME SAMPLE DESCRIPTION RETORD PRESSENTION VOLUME SAMPLE DESCRIPTION RETORD RESULTED COLLECTED NALYTICAL PARAMETERS NETHOD RESSENTION VOLUME SAMPLE DESCRIPTION RETORD RESULTED COLLECTED NALYTICAL PARAMETERS NETHOD RESSENTION VOLUME SAMPLE DESCRIPTION RETORD RESULTED COLLECTED NALYTICAL PARAMETERS NETHOD RESERVATION VOLUME SAMPLE OR A DESCRIPTION RETORD RESULTED COLLECTED SAMPLE BOTTLE ID MANBERS NETHOD RETORD RESULTED COLLECTED SAMPLE BOTTLE ID MANBERS NALYTICAL PROPERTY OF THE SAMPLE SAMPLE BOTTLE ID MANBERS NALYTICAL PROPERTY OF THE SAMPLE BOTTLE ID MANBERS NALYTICAL PROPERT	11E 10 N 5 2 - 9 1 - 1 C JOB	NUMBER 6853-04
DEPTH OF SAMPLE OD THE CLAY SAMPLE COLLECTION: DECOMPOSITE CLAY SAMPLE COLLECTED COMPOSITE CLAY SAMPLE COLLECTED COMPOSITE COLLECTED COL	OCATION CTIVITY START: 1930 END: 1930	
SEDIMENT SAMPLE	SEDIMENT DATA	ENT- EQUIPMENT USED FOR POLIFICION- DECONTAMINATION SHIPS USED
TYPE OF SAMPLE CONCRETE COLLECTED CONCRED AND THE COLLECTED COURT AIR CO PPH AND LETT COLLECTED COLORED AND LETT COLORED AND LETT COLORED AND LETT COLORED AND LETT AND LETT COLORED AND LETT AND LETT NETHOD PRESERVATION NETHOD PRESERVATION VOLUME SAMPLE SAMPLE SAMPLE BOTTLE ID NUMBERS PP HETALS (SPECIFIED BELOW) JS12 4 DEC C 4 DEC C 4 DEC C 4 DEC C AND LETT AND	SEDIMENT SAMPLE 0-3 IN CLAY SAMD	GRAVITY CORER DY POTABLE WATER DY POTABLE WATER WITH
AIR CO PPN LOCATION CO PPN PN — UNITS NALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE METHOD REGULIRED COLLECTED ALL ALL ALL ALL ALL ALL ALL A	TYPE OF SAMPLE MDISCRETE SILT COLLECTED COMPOSITE GRAVEL	☐ ALUMINUM PAN ☐ OTHER
METHOD MUNBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID MUNBERS PP HETALS (SPECIFIED BELOW) A DEG C LACA A DEG C A		
MUMBER METHOD DESCRIPTION MUMBER METHOD A DEG C A D	NALYTICAL PARAMETERS	
PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC a bote En 1 total SIGNATURE: VM/TCC.	PP METALS (SPECIFIED BELOW)	REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS 13.72 13.72 E4)
SIGNATURE: VM/IR. RECEIVED BY: IVAVALUE ROPE	PP METALS (PRIORITY POLLUTANT): AG, JS12 TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24	B/NA LM20 AS, BE, CD, CR, CU, PB, MG, NI, SB, SE, TL, ZN.
		SIGNATURE: VM/INC. RECEIVED BY: IVDIVILLE ROTE

E. C. JORDAN FIELD DATA RECORD - SEDIMENT			NIOIS B9		Sunny/75
	002W (502)	SITE TYPE	SED [MENT	FILE NAME	CSO
PROJECT USATHAMA - BAAP		JOB MUMBER	6298-12	SAMPLING DATE	275E090
SITE 10 NPS-189-	·all	LOCATION ACT	IVITY START:	1155 50:	1200
SEDIMENT DATA	TYPE OF SEDIMENT	EQUIPMENT	USED FOR COLLEC	TION DECONTAMINAT	TON FLUIDS USED
DEPTH OF .15 FE	[] SAMD [] SILT	[] \$.s.	SPLIT SPOON NAME SPOON		WATER W/HIGH PRESS.
SEDIFICAL SAFACE	[] ORGANIC [] GRAVEL	(L) ALUMII	MUN PANS	TYPE OF SAME	
SAMPLE OBSERVATIONS	[] OTHER	[] S.S. ([] OTHER		(1) COMPOSIT	
AMBIENT AIR VOA PP	H]	SAMPLE LOCATI	ION AIR VOA		
(DIF REQUIRED AT THIS LOCATION) AMALYTICAL PARAMETER/METHOD	MATRIX	_	SERVATION BOUNG	SAMPLE SAMPLE COLLECTED	E BOTTLE ID'S
(] MI / JS05	so	_	DEG. C	[]	
[] FE / JS05 D.7 CD / JS05		4 (DEG. C DEG. C DEG. C > 120~		
6-7 CR / JS05 CL-7 HG / JS09		4 (DEG. C) (YOZ) u]	
[V] P8 / JS05 [] CA / JS05		4 (DEG. C		
[] MA / JS05 [] AL / JS05		4 (DEG. C DEG. C		
[] NIT / KT03 [] \$04 / KT03		4 (DEG. C DEG. C		
[] VOC / LH12 [] BN/A / LH11	ł	4 (DEG. C DEG. C		
[] MAM / LNG2 [] PHTHL / LM11		4 (DEG. C DEG. C	===	
[] DMT / LMO7 [] NG / LM10		4 (DEG. C DEG. C		
[] NH4 / USEPA 350.2 [] TOC / USEPA CE-81-1		4 (DEG. C DEG. C	H <u>—</u>	
[] pH / USEPA (SOP GHOO1)	\$0	4 (DEG. C	[]	
HOTES / SKETCH No SEKO	ct location	. Took s	comple in	n middle of	overflow
pond.	at location	(ط, در	Ha Pb	Samples al	linljar.
μ. Ο.	\ Nitro			•	
	Pond				
•					
	Dike				
	1 NOS-90-02				
_	A				
	Overflow Pord (Dry)	`			İ
/		•			İ
/	▲ NPS-90-	03 ,			
,	- 	<u>.</u>			
BJS 10-08-89	SIGNATURE	OF SAMPLER	R. Qui	Q Cromre	

ABB ENVIRONMENTAL SERVICES, INC
PATA RECORD - SEDIMENT FIELD SAMPLING NUMBER N9 10200 SAMPLING DATE 7-20.7
PROSECT USATHAMA-BAAP SITE TYPE DTC H
SITE ID IN P 5 - 9 1 - 0 2 JOB NUMBER 6853-04 WEATHER SUCCESS 160'5
ACTIVITY START: 1513 END: 1515
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE IN
COLORED AIR O.O PPH LOCATION O.O PPH PH — UNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE BOTTLE 1D NUMBERS A DEG C AL 4 DEG C AAA 4 DEG C AAA 4 DEG C CCR 4 DEG C AAA 4 DEG C CCR 4 DEG C AAA 6 DEG C CCR 4 DEG C CCR 4 DEG C CCR 4 DEG C CCR 4 DEG C CCR 4 DEG C CCR 4 DEG C CCR 4 DEG C CCR 4 DEG C CCR 4 DEG C CCR 4 DEG C CCR 4 DEG C CCR 4 DEG C CCR 4 DEG C CCR 4 DEG C CCR 5 DEG C CCR 5 DEG C CCR 6 DEG C CCR 7 DEG C
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
SIGNATURE: VM./ YR RECEIVED BY: 4/12/11/4 E 12/12/4

ABB ENVIRONMENTAL SERVICES, INC	PAGE <u>8</u> of <u>25</u>
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER	N9103000 SAMPLING DATE 9.22.91
PROJECT USATHAMA-BAAP SITE TYPE	POND FILE NAME CSO
SITE ID N.PS - 91 - 03 JOB HUMBER	6853-04 WEATHER CLOUDY "50'S
ACTIVITY START: 1130 END: 1135	breezy
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE 0-6 IN CLAY SAMD TYPE OF SAMPLE DISCRETE COLLECTED COMPOSITE GRAVEL OTHER	FOUIPHENT USED FOR COLLECTION: GRAVITY CORER TULIP BULB PLANTER S.S. HAND SPOON ALUMINUM PAN PLASTIC SCOOP OTHER DECONTAMINATION FLUIDS USED POTABLE MATER WITH HIGH PRESSURE OTHER
SAMPLE OBSERVATIONS COLORED AMBIENT O.C	PPH LOCATION 6.0 PPH PH UNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION VO	DLUME SAMPLE
	DC SAMPLE BOTTLE 1D HUMBERS 1307 EA 1310 DC 1311
PP METALS (PRIORITY POLLUTANT): AG, AS, BE,	B/NA LM20
DC: 2 bottles NT EA: 1 bottle	N G Fond NP5-91-03
	SIGNATURE: VM/NR RECEIVED BY: I NOMOLI E. ROBA
	RECEIVED BY: NUMCH E. KOTRO

BB ENVIRONMENTAL SERVICES, INC	PAGE 5 OF 25
TELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER N9104600	
PROJECT USATHAMA-BAAP SITE TYPE POND	71.22
TITE ID N P S - 91 - 04 JOS NUMBER 6853-04	NAME CSO ATHER Cloudy, *50'5
LOCATION START: LOUS END: LOSO PROGRAM C	precity
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE	DECONTAMINATION FLUIDS USED POTABLE WATER POTABLE WATER WITH HIGH PRESSURE OTHER NA
SAMPLE OBSERVATIONS COLORED AMBIENT AIR PPM SAMPLE LOCATION PP	H PH NA UNITS
ANALYTICAL PARAMETERS	
METHOD PRESERVATION VOLUME SAMPLE	TTLE ID NUMBERS
NOSS :LOCATION SKETCH) * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 2 bottles EA: 1 bottle Sp-4	, 2N.
)	~ ~
SIGNATURE: VM/	T C-D-
RECEIVED BY: UNDY	rcy E. Roka

ABB ENVIRONMENTAL SERVICES, INC	PAGE <u>6</u> OF <u>3</u>
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER NICE	105000 SAMPLING DATE 9.22.91
	OND SAMPLING DATE 9.22.91
SITE 10 N P S - 91 - 05 JOB HUMBER 68	WEATHER Cloudy, '50 S
LOCATION ACTIVITY START: 1100 END: (105	breezy
SEDIMENT SAMPLE 0_5 IN CLAY GR. TYPE OF SAMPLE DISCRETE SILT ALL COLLECTED COMPOSITE GRAVEL PL	MENT USED FOR COLLECTION: AVITY CORER LIP BULB PLANTER S. HAND SPOON LIMINUM PAN ASTIC SCOOP HER
SAMPLE OBSERVATIONS COLORED AMBIENT AIR O,O PP	SAMPLE
ANALYTICAL PARAMETERS	
METHOD PRESERVATION VOLUME REQUIRED PPP METALS (SPECIFIED BELOW)	SAMPLE COLLECTED SAMPLE BOTTLE ID NUMBERS 1327
NOS: * THESE ARE DATACHEM METHODS. EA METHODS: VOC LI (LOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CI JS12, B9, JD21, JI TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24	R ,CU, PB, HG, NI, SB, SE, TL, ZN.
DC: 2 bottles NA EA: 1 bottle	
\ /	1122 1000
	SIGNATURE: VM/NR
	RECEIVED BY: Wancy E. Potra

	7 25
BB ENVIRONMENTAL SERV	
	ELD SAMPLING NUMBER N9106000 SAMPLING DATE 9.22.91
PROJECT USATHAMA-BAAP	FILE NAME CSO
SITE 10 N PS - 9 1-06	JOB NUMBER 6853-04 WEATHER Cloudy, "50'S
ACTIVITY START: [115 END: 1120	PROGRAM C breezy
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE O-6 IN TYPE OF SAMPLE DISCRETE COLLECTED COMPOSITE	PE OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED CLAY GRAVITY CORER POTABLE WATER SAND TULIP BULB PLANTER POTABLE WATER WITH ORGANIC S.S. HAND SPOON HIGH PRESSURE SILT ALUMINUM PAN OTHER OTHER
SAMP OBSERVATIONS COLORED	AMBIENT SAMPLE LOCATION O.O PPM PHUNITS
ANALYTICAL PARAMETERS	
PP METALS (SPECIFIED BELOW) AL CA MA GCD CC? YAG PB JD21 TCLP METALS (SPECIFIED BELOW) NIT SO4 KT07 NASN2 USEPA 350.2 USEPA CE-81-1 pH SW846 METHOD 9045 LW23 BN/A NG LW27 NAM DNT LNO8 LW23	PRESERVATION VOLUME SAMPLE METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS 4 DEG C 4 DEG C
NOES * THESE ARE DATACHEM METHODICATION SKETCH) PP METALS (PRIORITY POLLUTED METALS: CD, CR, HG, US12, 40 CFR	B/NA LM20 UTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. PB. R 261.24 Trees
DC: 2 bottles EA: 1 bottle	NG Pond
	SIGNATURE: VM/MR
	RECEIVED BY: Wancy F. Roka

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER N9107000 SAMPLING DATE 9.22.91
PROJECT USATHAMA-BAAP SITE TYPE POND FILE NAME CSO
SITE ID NP 5 - 911-07 JOB NUMBER 6853-04 WEATHER CLOUCH, 50 5
ACTIVITY START: 1015 END: 1020 PROGRAM C
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE
SAMPLE OBSERVATIONS COLORED AMBIENT O PPM LOCATION D PPM PH NA UNITS
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE
NOSS (LOCATION SKETCH) * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 2 bottles Pond Fond SD-7
SIGNATURE: VM/MZ
RECEIVED BY: Wancy E. Roka

.

,
BB ENVIRONMENTAL SERVICES, INC
SAMPLING DATE 9.22-91
PROJECT USATHARA-BAAP STIE THE PONTO
LOCATION PS-91-08 JOB NUMBER 6853-04 WEATHER CLOUDY, "SU'S
ACTIVITY START: 1030 END: 1035
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE
NALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE COLLECTED SAMPLE BOTTLE ID NUMBERS METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS A DEG C C C C C C C C C C
NOES 1.0CATION SKETCH) * THESE ARE DATACHEM METHODS. EA METHODS: VOC B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 2 buttles EA: 1 bottle Pond * THESE ARE DATACHEM METHODS: VOC LM17, LM26 B/MA LM20 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. **THESE ARE DATACHEM METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. **THESE ARE DATACHEM METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. **THESE ARE DATACHEM METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. **THESE ARE DATACHEM METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. **THESE ARE DATACHEM METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. **THESE ARE DATACHEM METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. **THESE ARE DATACHEM METHODS: VOC LM17, LM26 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. **THESE ARE DATACHEM METHODS: VOC LM17, LM26 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, LM26 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, LM26 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CL, CL, CL, CL, CL, CL, CL, CL, CL, CL
SIGNATURE: VM/NR
RECEIVED BY: Nancy F. Rota

RECEIVED BY:

Pota

and the state of t

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER 79191000
PROJECT USATHAMA-BAAP SITE TYPE BUGR
SITE ID PBS - 91 - 91 JOB NUMBER 6853-04 FILE NAME CSO
LOCATION START: 1620 END: 1625 PROGRAM C DESTRUCTION START: 1620 END: 1625
SEDIMENT DATA
DEPTH OF SEDIMENT SAMPLE IN IVPE OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED GRAVITY CORER POTABLE WATER WITH CORGANIC S.S. HAND SPOON HIGH PRESSURE TYPE OF SAMPLE DISCRETE SILT SOME ALUMINUM PAN OTHER
COLLECTED COMPOSITE GRAVEL PLASTIC SCOOP OTHER OTHER
SAMPLE OBSERVATIONS COLORED AMBIENT C.O PPM LOCATION O.O PPM PM UNITS
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE METHOD RESTRICTION VOLUME SAMPLE METHOD REPORT METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 6 C 6 C 6 C 7 C 7 C 7 C 7 C 7 C 7 C 7 C 7 C 7 C 7
NOSS (LOCATION SKETCH) * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
SIGNATURE: VM/MR RECEIVED BY: Wancu E. Roka

O

		· · · · · · · · · · · · · · · · · · ·	
ABB ENVIRONMENTAL SE	RVICES, INC		PAGE 19 OF 20
LD DATA RECORD - SEDIMENT	FIELD SAMPLING NUMBER	P919200	SAMPLING DATE 9.30.91
PROJECT USATHAMA-BAAP	SITE TYPE	BUGR	FILE NAME CSO
SITE 10 PBS - 91-92	JOB NUMBER	6853-04	
LOCATION START: 1630 END: 16	PROGRAM	С	WEATHER cloudy, 60's
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE 0-3 IN TYPE OF SAMPLE COMPOSITE	TYPE OF SEDIMENT: CLAY CLAY CLAY CLAY CLAY CLAY CLAY COMPA C	GRAVITY CORER TULIP BULB PLANT S.S. HAND SPOON ALUMINUM PAN PLASTIC SCOOP OTHER	POTABLE WATER
SAMPLE OBSERVATIONS COLORED	AMBIENT O. O	PPM SAMPLE LOCATION	O.O PPM pH UNITS
ANALYTICAL PARAMETERS	PRESERVATION VO	DLUME SAMPLE	
PP METALS (SPECIFIED BELOW) AL JS12 CA NA CD CR HG PB JD21		UIRED COLLECTED DC V	SAMPLE BOTTLE ID NUMBERS
TCLP METALS (SPECIFIED BELOW) NIT KF17	4 DEG C 4 DEG C		
604 KT07 USEPA 350.2		_ # :	
TOC USEPA CE-81- OH SW846 METHOD 9 VOC LM23			1076 / 1079
# BN/A LM25	4 DEG C 4 DEG C		10 15 / 1071 /
I NAM I NOS	4 DEG C 4 DEG C	DC V	1077
DONT LW23		8 :	
l			
•			
NOS (LOCATION SKETCH) PP METALS (PRIORITY P TCLP METALS: CD, CR, JS12, 40	BOLLUTANT): AG, AS, BE, JS12, 89, J	OC LM17, LM26 /MA LM20 CD, CR ,CU, PB, HG, D21, JD20, Y9.	NI, SB, SE, TL, ZN.
PC. E Δ ⇒	24 bottles	s (me)	
I			
		·	
		SIGNATURE:	vm/me
		RECEIVED BY:	Uvancu E. Roka

t de final alemanda successiva de debite a como a comercia de figura de como a como de comercia de comercia de

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P7173000
PROJECT USATHAMA-BAAP SITE TYPE BUGR SAMPLING DATE 9.30 91
FILE NAME CSO
SITE ID PB5-91-93 JOB NUMBER 6853-04 WEATHER CLOUCHY, "60'S
LOCATION PROGRAM C
ACTIVITY START: 1640 END: 1645
SEDIMENT DATA DEPTH OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED SEDIMENT SAMPLE IN
SAMPLE OBSERVATIONS ODOR AMBIENT O.O PPM SAMPLE COLORED OD PPM DE
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE BOTTLE ID NUMBERS
* THESE ARE DATACHEM METHODS: EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, 89, J021, J020, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 24 bottles TAXABLE CD, CR, CR, CD, CD, CD, CD, CD, CD, CD, CD, CD, CD
SIGNATURE: VM/MR

ner ner ningen nye na samen na prante protestante akaitan an make ilijah kalan ningen kan at mengalah mengan k

ABB ENVIRONMENTAL SERVICES, INC PAGE 1 OF 23
LD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9194000 SAMPLING DATE (0) 191
PROJECT USATHAMA-BAAP SITE TYPE BUGR FILE NAME CSO
SITE ID PBS-91-94 JOB NUMBER 6853-04 WEATHER COUCHY, 50 S
LOCATION START: 0840 END: 0845
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE 1-4 IN
SAMPLE OBSERVATIONS ODOR AMBIENT AIR O.O PPM LOCATION O.C PPM PH — UNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION WOLUME COLLECTED SAMPLE BOTTLE ID NUMBERS
NOSS * THESE ARE DATACHEM METHODS: EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
DC: 4 bottles
SIGNATURE: YM/MR RECEIVED BY: Manay F. Roka

ABB ENVIRONMENTAL SERVICES, INC	PAGE 2 OF 23
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER PAI 95000 SAMPLING DATE	101.71
PROJECT USATHAMA-BAAP SITE TYPE BUGR FILE NAME	
SITE 1D PB S-91-95 JOB NUMBER 6853-04 WEATHER	
LOCATION START: 3850 END: 0855	cloudy, °50's
SEDIMENT DATA	
SEDIMENT SAMPLE 1- IN CLAY GRAVITY CORER SAND TULIP BULB PLANTER YORGANIC S.S. HAND SPOON TYPE OF SAMPLE DISCRETE SILT ALUMINUM PAN	NTAMINATION FLUIDS USED POTABLE WATER POTABLE WATER WITH HIGH PRESSURE OTHER
COLLECTED LI COMPOSITE LI GRAVEL LI PLASTIC SCOOP OTHER	
SAMPLE OBSERVATIONS ODOR AMBIENT O.O PPH LOCATION O.O PPM	PHUNITS
ANALYTICAL PARAMETERS	
METHOD PRESERVATION VOLUME SAMPLE MIDDER METHOD REQUIRED COLLECTED SAMPLE BOTTLE SAMPLE BOTTLE SAMPLE COLLECTED SAMPLE BOTTLE SAMPLE BOT	ID NUMBERS
NOSS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24	
4312, %U UTR EDILE#	
DC: 4 bottles	
SIGNATURE:V M	2
RECEIVED BY: : Name	E. Roka

J

ABB ENVIRONMENTAL SERVICES, INC
ELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9196000 SAMPLING DATE 101.91
PROJECT USATHAMA-BAAP SITE TYPE DUGIL
SITE 10 PBS - 911 - 76 JOB NUMBER 6853-04 WEATHER CIQUAL 95.05
LOCATION ACTIVITY START: 0900 END: 0905
SEDIMENT DATA DEPTH OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS US SEDIMENT SAMPLE 1-3 IN CLAY GRAVITY CORER POTABLE WATER WITH ORGANIC S.S. HAND SPOON HIGH PRESSURE COLLECTED COMPOSITE GRAVEL OTHER OTHER
SAMPLE OBSERVATIONS COLORED AMBIENT O. O PPM LOCATION O. O PPM PH — UNITS
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE SAMPLE BOTTLE ID NUMBER METHOD REQUIRED COLLECTED
NOSS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN.
JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
DC: 4 bottles
SIGNATURE: VM/MR
RECEIVED BY: Wance E. Roka

नाम् ४७७६ । ३ - मा ए १८ ए महरूराम स्थान । जा एकाम सामानामा स्थानमा स्थानमा उपयोग समानामा । जा सामानामा प्राप्त

į.

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P91197000 SAMPLING DATE 10.1.91
PROJECT USATHAMA-BAAP SITE TYPE BUGR
SITE ID PRS - 91 - 97 JOB NUMBER 6853-04
LOCATION START: J910 END: 0915 PROGRAM C PROGRAM C
SEDIMENT DATA
DEPTH OF SEDIMENT SAMPLE 1-3 IN LOCAY SAND LOCAY SAND LOCAY COLLECTION: DECONTAMINATION FLUIDS USED MEDIABLE WATER POTABLE WATER WITH DECONTAMINATION FLUIDS USED MEDIABLE WATER WITH DECONTAMINATION FLUIDS USED DECONTAMINATION FLUIDS USED MEDIABLE WATER WITH DECONTAMINATION FLUIDS USED DEC
TYPE OF SAMPLE WDISCRETE SILT WALUMINUM PAN DOTHER OTHER OTHER DOTHER DOTHER
SAMPLE OBSERVATIONS COLORED AIR O, O PPM LOCATION O. O PPM PM — UNITS
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE SAMPLE DCLEDIED COLLEDIED CO
NOTES * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
SIGNATURE: VM/MR

.

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER PRING TO SAMPLING DATE 10.1.91
PROJECT USATHAMA-BAAP SITE TYPE BUCK FILE NAME CSO
SITE :DPBS - 91 - 99 JOB NUMBER 6853-04 WEATHER (LOUCH, 50'S
LOCATION ACTIVITY START: 0935 PROGRAM C
SEDIMENT DATA
DEPTH OF SEDIMENT SAMPLE - 1N
✓ MORGANIC D.S.S. HAND SPOON HIGH PRESSURE
TYPE OF SAMPLE DISCRETE SILT ALUMINUM PAN OTHER COLLECTED COMPOSITE GRAVEL PLASTIC SCOOP
OTHEROTHER
SAMPLE OBSERVATIONS COLORED AMBIENT O.O PPM LOCATION O,O PPM PH UNITS
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE
MUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS 4 DEG C 4 DEG C 4 DEG C
CA CA CEG C
QCD 4 DEG C / 1
CR 4 DEG C DC
PB JD21 4 DEG C 4 DEG C 4 DEG C
UNIT KF17 4 DEG C U//
NH3N2
DON SW846 METHOD 9045 4 DEG C
HNG LW27 4 DEG C
NG LW27 4 DEG C NAM LN08 4 DEG C DOT LW23 4 DEG C
NOS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) B/MA LM20
PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9.
TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
4316, 40 GFR 601,64
DC: 4 bottles
SIGNATURE: VM/MR
RECEIVED BY: Nancy E. Roka

455 ENVIDO	NACHTAL OFFI	//OFO INO			7 22
	NMENTAL SERV	•			PAGE
		ELD SAMPLING NUMBER	P911100	SAMPLING DATE	101.91
USATHAMA-E		SITE TYPE	BUGR	FILE NAME	cso
<u> </u>	911-1900	JOB NUMBER	6853-04	WEATHER	cioudy, 50's
ACTIVITY START:	0935 END: 0940	PROGRAM	С		
SEDIMENT DATA					
DEPTH OF SEDIMENT SAMPLE	1 9 -4 IN	YPE OF SEDIMENT:	EQUIPMENT USED FOR DEPARTMENT CORER	COLLECTION: DECO	NTAMINATION FLUIDS USED
		SAND ORGANIC	TULIP BULB PLANT		POTABLE WATER POTABLE WATER WITH HIGH PRESSURE
TYPE OF SAMPLE TO	ISCRETE OMPOSITE	SILT GRAVEL	ALUMINUM PAN		OTHER
	_	OTHER	OTHER		
SAMPLE OBSERVATIONS	COLORED	AMBIENT 0.0	PPM LOCATION	O. O PPM	pH - UNITS
NALVEIGAL DADA	U				
ANALYTICAL PARA	METHOD		LUME SAMPLE		
PP METALS (SPECIFI	NUMBER IED BELOW)	4 DEG C	DC DC	SAMPLE BOTTLE 1	/
H CA	J\$12 	4 DEG C 4 DEG C 4 DEG C	Ä :		/
CC CR		4 DEG C 4 DEG C	A :		',',
HG PB	yģ JD21	4 DEG C 4 DEG C	a :		/,/
TCLP METALS (SPECI		4 DEG C 4 DEG C	8 :		<i>,</i>
504 H3N2	KT07 USEPA 350.2	4 DEG C 4 DEG C	8 :		//
OC LpH	USEPA CE-81-1 SW846 METHOD 9045	4 DEG C 4 DEG C	<u> </u>		/
VOC BN/A	LM23 LM25	4 DEG C 4 DEG C	€A 🖁	1124 / 1127	//
NG NAM W DNT	LW27 LN08	4 DEG C 4 DEG C	Д Н	/	/ /
MEDNT	LW23	4 DEG C	DC Y	1125/	<u>/</u> /
U			Н :	/	//
NOS:	A THEOR AND ADDRESS OF THE PARTY OF THE PART				
LOCATION SKETCH)	* THESE ARE DATACHEM MET	8,	/NA LH20	MI 60 65 71 7"	
	PP METALS (PRIORITY POLLI	JS12, B9, J	D21, JD20, Y9.	NI, 3B, 3E, 1L, 2N.	
	TCLP METALS: CD, CR, HG, JS12, 40 CF				
	DC: 2 both	101			!
	FA! 2 both G	4			
					:
			SIGNATURE:	Vm/m	<u>, </u>
				Manch	F Roka

grange of the original and an experience of the propagation of the first of the experience of the experience of

ABB ENVIRONMENTAL SERVICES, INC
FIELL DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER PALLO 100 SAMPLING DATE
PROJECT USATHAMA-BAAP SITE TYPE BUGR
SITE 10 P R C - 9 1 - 1 0 1 JOB NUMBER 6853-04
LOCATION START: 1025 END: 1030 PROGRAM C
SEDIMENT DATA DEPTH OF SEDIMENT: SAMPLE 0-3 IN CLAY GRAVITY CORER TULIP BULB PLANTER POTABLE WATER WITH COLLECTED COMPOSITE GRAVEL OTHER
SAMPLE OBSERVATIONS ODOR AMBIENT SAMPLE COLORED AIR PPM LOCATION PPM PH UNITS
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE OUT TO NUMBER METHOD REQUIRED COLEGTED SAMPLE BOTTLE ID NUMBERS METHOD NUMBER METHOD REQUIRED COLEGTED SAMPLE BOTTLE ID NUMBERS 4 DEG C 4 DEG C 4 DEG C 4 DEG C CC CC 4 DEG C CC 4 DEG C CC 4 DEG C CC 4 DEG C CC 4 DEG C CC 4 DEG C CC CC CC CC CC CC CC CC CC CC CC CC C
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 2 bottles EA: 2 bottles
* No TIP available
SIGNATURE: VM/MR RECEIVED BY: Wanch E. RORA

ABB ENVIRONMENTAL SERVICES, INC
SLD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9110200
JECT USATHAMA-BAAP SITE TYPE BUGR SAMPLING DATE 10 1.91
SITE 10 DB 5 - 91 - 10 2 JOB NUMBER 6853-04
LOCATION START: 1035 END: 1043
SEDIMENT DATA DEPTH OF SEDIMENT: SEDIMENT: SEDIMENT: SEDIMENT: SEDIMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED CLAY SEDIMENT SAMPLE CLAY SAMD TYPE OF SAMPLE COLLECTED DECONTAMINATION FLUIDS USED GRAVITY CORER POTABLE WATER WITH FORGANIC S.S. HAND SPOON HIGH PRESSURE OTHER OTHER OTHER
SAMPLE OBSERVATIONS OCOR AMBIENT SAMPLE COLORED AIR PPM LOCATION PPM PH UNITS
ANALYTICAL PARAMETERS METHOD NUMBER METHOD NUMBER METHOD NUMBER METHOD NUMBER METHOD NUMBER METHOD NUMBER METHOD NUMBER METHOD NUMBER METHOD NUMBER METHOD METHO
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 LOCATION SKETCH) * THESE ARE DATACHEM METHODS. EA METHODS: VOC B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
DC: 2 bottles EA: 2 bottles
SIGNATURE: VM/MR RECEIVED BY: INCAMOLI E. RORO

7.-

:

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9110300 SAMPLING DATE 10191
PROJECT USATHAMA-BAAP SITE TYPE BUGK
SITE 10 PBS-91-103 JOB NUMBER 6853-04 WEATHER CLOUDE 050'S
ACTIVITY START: 1040 END: 1045
SEDIMENT DATA DEPTH OF SEDIMENT: FOULPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED SEDIMENT SAMPLE
SAMPLE OBSERVATIONS COLORED AMBIENT SAMPLE COLORED AIR PPM LOCATION — PPM PH UNITS
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE NUMBER METHOD REGUIRED COLLEGATED AL ADEG C CA NA CD CD CR MG MG MG MG MG MG MG MG MG M
NOS (LOCATION SKETCH) * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 2 Johnson
EA: a bottles
SIGNATURE: VM/NC

ABB ENVIRONMENTAL SERVICES, INC	PAGE 13 OF 23
SITE TO PBS - 91 - 104 JOB NUMBER 6853-04	ING DATE (0.1.91) ILE NAME CSO WEATHER (101dy, °50'S
SEDIMENT DATA DEPTH OF SEDIMENT: SAMPLE IN IN CLAY GRAVITY CORER TYPE OF SAMPLE DISCRETE GRAVEL OTHER COLLECTED COMPOSITE GRAVEL OTHER TYPE OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: GRAVITY CORER TULIP BULB PLANTER S.S. HAND SPOON ALUMINUM PAN PLASTIC SCOOP OTHER OTHER	DECONTAMINATION FLUIDS USED POTABLE WATER POTABLE WATER WITH HIGH PRESSURE OTHER
SAMPLE OBSERVATIONS COLORED AMBIENT AIR O.D PPM LOCATION C.	PPM pH UNITS
NALYTICAL PARAMETERS	BOTTLE ID NUMBERS
* THESE ARE DATACHEM METHODS: EA METHODS: VOC LM17, LM26 B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24	TL, ZN.
DC: 2 bottles EA: 2 bottles	
*TIP brought out to us. Calibro field my ambient air and 119	illed in the ppm sobut.
SIGNATURE: VM RECEIVED BY: VMAN	
	U

1.

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER PAILING 500 SAMPLING DATE 10.1.91
ROJECT USATHAMA-BAAP SITE TYPE BUGR FILE NAME CSO
17E 10 PBS - 91 - 1 0 5 JOB NUMBER 6853-04 WEATHER Cloudy 950'S
OCATION CTIVITY START: 1050 END: 1055
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE
SAMPLE OBSERVATIONS COLORED AMBIENT SAMPLE LOCATION PPM PH UNITS
NALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE PP METALS (SPECIFIED BELOW) AL CA MA 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C CC CC MA 4 DEG C 4 DEG C 4 DEG C 5 DC MIT KF17 4 DEG C MIT KF17 4 DEG C MIT KF17 5 DEG C MISTN2 USEPA 350.2 1 DEG C MISTN2 USEPA 350.2 1 DEG C MISTN2 METHOD MIT KF17 4 DEG C MIT KF17 4 DEG C MIT SOL MIT KF17 4 DEG C MIT SOL MIT KF17 4 DEG C MIT SOL MIT KF17 4 DEG C MIT SOL MIT KF17 4 DEG C MIT SOL MIT KF17 4 DEG C MIT SOL MIT KF17 4 DEG C MIT SOL MIT MIT KF17 4 DEG C MIT MIT KF17 4 DEG C MIT MIT KF17 4 DEG C MIT MIT MIT KF17 4 DEG C MIT MIT MIT KF17 4 DEG C MIT MIT MIT KF17 4 DEG C MIT MIT MIT MIT KF17 4 DEG C MIT MIT MIT MIT MIT MIT MIT KF17 4 DEG C MIT MIT MIT MIT MIT MIT MIT MI
CES * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 LOCATION SKETCH) 8/NA LM20
PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9.
TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
DC: a bottles
EA: 2 bottles
SIGNATURE: VM / MC
RECEIVED BY: Wancy E. Roka

ABB ENVIRONMENTAL SERVICES, INC	
FIELD DATA RECORD - SEDIMENT - SLD SAMPLING NU	MBER P9110600 SAMPLING DATE 10.1.91
PROJECT USATHAMA-BAAP SITE	TYPE BUGR FILE NAME CSO
SITE 10 PBS-91-106 JOB MU	MBER 6853-04 MEATHER COUNTY 950'S
ACTIVITY START: 1100 END: 1105	GRAM C
SEDIMENT DATA DEPTH OF LYPE OF SEDIMENT	: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED
SEDIMENT SAMPLE 1-3 IN CLAY SAMO	GRAVITY CORER POTABLE WATER TULIP BULB PLANTER POTABLE WATER WITH
TYPE OF SAMPLE DISCRETE DISCRETE GRAVEL	S.S. HAND SPOON HIGH PRESSURE OTHER
OTHER	OTHER
SAMPLE OBSERVATIONS COLORED AMBIENT AIR	PPH SAMPLE LOCATION PPH PH — UNITS
ANALYTICAL PARAMETERS	
METHOD PRESERVATION NUMBER METHOD MET	VOLUME SAMPLE REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS DC 156/
CA 4 DEG C	
CD	
HG Y9 4 DEG C PB JD21 4 DEG C	#
TCLP METALS (SPECIFIED BELOW) 4 DEG C	
SO4 KT07 4 DEG C NH3N2 USEPA 350.2 4 DEG C USEPA CE-81-1 4 DEG C	
100 USB 46 METHOD 9045 4 DEG C 14/23 4 DEG C	En 5 1157 1160
□ BN/A LM25 4 DEG C □ NG LW27 4 DEG C	
DIAM LNOS 4 DEG C	DC 2 1158 / / /
	DC 112E
NOS * THESE ARE DATACHEM METHODS. EA METHO	
	B/MA LM20 s. BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN.
TCLP METALS: CD, CR, HG, PB.	B9, JD21, JD20, Y9.
JS12, 40 CFR 261.24	
DC: 2 both la	US CONTRACTOR CONTRACT
EA: a bottle	o 1
cn. a voire	
	SIGNATURE: VM / MR
<i>,</i>	atemptions

RECEIVED BY:_

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER 79110700 SAMPLING DATE 92291
PROJECT USATHANA-BAAP STIE TIPE BUGK FILE NAME CSO
HEATHER Clourly, rainy
ACTIVITY START: 1545 END: 1550
SEDIMENT DATA DEPTH OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED GRAVITY CORER SEDIMENT SAMPLE 1-5 IN CLAY GRAVITY CORER SAND LITTLE GUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED GRAVITY CORER FOR THE POTABLE WATER WITH HIGH PRESSURE COLLECTED COMPOSITE OTHER OTHER OTHER OTHER
SAMPLE OBSERVATIONS ODOR AMBIENT SAMPLE COLORED AIR PPH LOCATION PPM PM UNITS
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 4 Dottes Tip fauled
SIGNATURE: VM/NR

RECEIVED BY: __________

BB ENVIRONMENTAL SERVICES, INC
TELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9111603
PROJECT USATHAMA-BAAP SITE TYPE BUGR
SITE ID PBS-91-116 JOB NUMBER 6853-04 LOCATION PROGRAM C
LOCATION ACTIVITY START: 1130 END: 1140
SEDIMENT DATA DEPTH OF SEDIMENT: SAMPLE 3-3.5' IN TYPE OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: SEDIMENT SAMPLE 3-3.5' IN TYPE OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: GRAVITY CORER FOR AND SPOON FIGH PRESSURE OTHER SAMPLE OBSERVATIONS GOOR AMBIENT SEDIMENT DATA FOR SEDIMENT: EQUIPMENT USED FOR COLLECTION: GRAVITY CORER FOR AND SPOON HIGH PRESSURE OTHER OTHER OTHER SAMPLE
COLORED Light brown to AIR O.O PPH LOCATION OO PPH PH UNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE SAMPLE BOTTLE ID MUMBERS
NOS THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) 8/NA LM20
PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCIP METALS: CD, CB, HG, BB
TCLP METALS: CD, CR, HG, PB. J\$12, 40 CFR 261.24
DC: 2 bottles
EA: 2 bottles
1400 1 M
SIGNATURE: VM/M2 BECEIVED BY: I NAME F. ROPO

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9111703
PROJECT USATHAMA-BAAP SITE TYPE BUGR FILE NAME CSO
SITE ID PBS - 91 - 117 JOB NUMBER 6853-04 WEATHER CLOUCHY 50'S
LOCATION ACTIVITY START: 1145 END: 1155
SEDIMENT DATA DEPTH OF SEDIMENT: SAMPLE 2.5-3' ST CLAY GRAVITY CORER TULIP BULB PLANTER TYPE OF SAMPLE DISCRETE COLLECTED COMPOSITE GRAVEL OTHER OTH
SAMPLE OBSERVATIONS COLORED AMBIENT D.O PPM LOCATION O.O PPM DHUNITS
ANALYTICAL PARAMETERS METHOD NUMBER METHOD NEWHO NEWHOD NEWHO NEWHOD NEWHOD NEWHO NEWHOD NEWHO NEWHOD NEWHO NEWHO NEWHO
NOSS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
DC: 2 bottles EA: 2 bottles
- Rock at 3' prevented collecting deeper, we Angled the hand auger to collect dirt around near top of rock.
RECEIVED BY: NAMOL E ROAL

٠.,

BB ENVIRONMENTAL SERVICES, INC	PAGE 17 OF 23
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9142000 SAMPLING DATE	10.1.91
PROJECT USATHAMA-BAAP SITE TYPE BUGIC FILE NAME	
SITE ID PBS-91-42 JOB NUMBER 6853-04 MEATHER	
ACTIVITY START: 1235 END: 1240	breezy
SEDIMENT DATA DEPTH OF SEDIMENT: SAMPLE 0-3 IN TYPE OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECC GRAVITY CORER TULIP BULB PLANTER ORGANIC S.S. HAND SPOON TYPE OF SAMPLE DISCRETE GRAVEL OTHER COLLECTED COMPOSITE GRAVEL OTHER	MTAMINATION FLUIDS USED POTABLE WATER POTABLE WATER WITH HIGH PRESSURE OTHER
SAMPLE OBSERVATIONS COLORED AMBIENT O.O PPM LOCATION O.O PPM	PH UNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION WOLUME SAMPLE COLLECTED COLLECTED AT 16 DC COLLECTED SAMPLE BOTTLE AT 16 DC COLLECTED AT 16 DC COLLECTE	
NOSS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24	
DC + 2 le = 11 le 4	
DC: 2 bottles EA: 2 bottles	
SIGNATURE: VM/M	>
RECEIVED BY: UVancy	F. Roka

ABB ENVIRONMENTAL SERVIÇEŞ, INC	PAGE 18 OF
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P914300	SAMPLING DATE 10.1.91
PROJECT USATHAMA-BAAP SITE TYPE BUGR	FILE NAME CSO
SITE 10 PBS - 9 (- 43) JOB MUMBER 6853-04	HEATHER CLOUDY "SO'S
ACTIVITY START: 1240 END: 1245 PROGRAM C	breery
SEDIMENT DATA DEPTH OF SEDIMENT: ALUMINUM PAN COLLECTED COMPOSITE SEDIMENT DATA TYPE OF SEDIMENT: EQUIPMENT USED FOR COLLECTED COMPOSITE TYPE OF SAMPLE 1-3 IN CLAY COMPOSITE TYPE OF SEDIMENT: EQUIPMENT USED FOR COLLECTED CLAY ORGANIC SAND ORGANIC SAND FUNCTION OF SEDIMENT: EQUIPMENT USED FOR COLLECTED CLAY ORGANIC SAND FUNCTION OF SEDIMENT: EQUIPMENT USED FOR COLLECTED CLAY ORGANIC SEDIMENT DATA ORGANIC SAND ORGANIC SILT TO COLLECTED OTHER	POTABLE WATER
SAMPLE OBSERVATIONS COLORED AMBIENT O.O PPM LOCATION	O.O PPM PH UNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE	
NUMBER NETHOO REQUIRED COLLECTED	SAMPLE BOTTLE ID NUMBERS 2794 2794 2797 2798 2803
NOSS (LOCATION SKETCH) * THESE ARE DATACHEM METHODS. EA METHODS: VOC B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG,	NI, SB, SE, TL, ZN.
JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24	
DC: 2 bottles EA: 2 bottles	

SIGNATURE: VM/MZ
RECEIVED BY: WAMCH E. RORA

BB ENVIRONMENTAL SERVICES, INC	PAGE 19 OF 23
ELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER PQ14400	LING DATE (O. i. GI
PROJECT USATHAMA-BAAP SITE TYPE BUGR	LING DATE (0.1.9)
SITE ID PB 5 - 9 1 - 44 JOB HUMBER 6853-04	WEATHER CLOUDY, 50'S
ACTIVITY START: 1245 END: 1250	bree iy
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE [-3 IN] TYPE OF SAMPLE GRAVITY CORER GRAVITY CORER TULIP BULB PLANTER S.S. HAND SPOON ALUMINUM PAN PLASTIC SCOOP OTHER	DECONTAMINATION FLUIDS USED POTABLE WATER POTABLE WATER WITH MIGH PRESSURE OTHER
SAMPLE OBSERVATIONS COLORED TOLO AMBIENT O.O PPM LOCATION C.O	PPM pH UNITS
ANALYTICAL PARAMETERS	
METHOD PRESERVATION VOLUME SAMPLE NUMBER HETHOD REQUIRED COLLECTED SAMPLE AL JS12 4 DEG C AL JS12 4 DEG C AL DE	BOTTLE ID NUMBERS
NOES (LOCATION SKETCH) * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 2 DOTTLES EA: 2 JOHLLS	
	n/MR ncu E. Roka

٠.

• 1

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER PALLES ON SAMPLING DATE & 10.1.91
PROJECT USATHAMA-BAAP SITE TYPE BUGR FILE NAME CSO
SITE 10 PBS-91-45 JOB NUMBER 6853-04 WEATHER CLOUDY 50'S
LOCATION ACTIVITY START: 1255 END: 1300 PROGRAM C
SEDIMENT DATA DEPTH OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED SEDIMENT SAMPLE [-2 IN
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE NUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 6 C 6 C 6 C 6 C 7
NOSS * THESE ARE DATACHEM METHODS: EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) 8/MA LM20
PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZM. JS12, B9, JD21, JD20, Y9.
TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
DC: 2 bottles
EA: 2 bottles
SIGNATURE: VM/MC
RECEIVED BY: UVANCU E ROKAT

the the transfer with a some the state of th

BB ENVIRONMENTAL SERVICES, INC
TELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9146000
PROJECT USATHAMA-BAAP SITE TYPE BUGR SAMPLING DATE 10.1.91
SITE 10 PB 5 - 9 1 - 46 JOB NUMBER 6853-04
LOCATION PROGRAM C WEATHER Cloudy 50'S
TCTIVITY START: 1305 END: 1310
SEDIMENT DATA
DEPTH OF SEDIMENT SAMPLE CAY CLAY COLLECTION: DECONTAMINATION FLUIDS USED -3
ORGANIC SOME U.S.S. HAND SPOON HIGH PRESSURE
TYPE OF SAMPLE DISCRETE SILT ALUMINUM PAN OTHER COLLECTED COMPOSITE GRAVEL PLASTIC SCOOP OTHER
SAMPLE OBSERVATIONS COLORED drk brown AIR O.O PPH LOCATION O.O PPH PH UNITS
<u> </u>
.NALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE
NUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS DE C DC 2836 / / / / / / / / / / / / / / / / / / /
AL JS12 4 DEG C
HCD 4 DEG C
Hig
PB JD21 4 DEG C
NIT KF17 4 DEG C//
UNH3N2
Del SU846 METHOD 9045 4 DEG C EA 2 2843 /
BN/A LM25 4 DEG C
NAM
U/
NOS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26
LOCATION SKETCH) B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN.
JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB.
JS12, 40 CFR 261.24
DC: 2 bottles
EA: 2 bottles
SIGNATURE: VM/MC
RECEIVED BY: Wance E. Roka

•

ABB ENVIRONMENTAL SERVICES,		PAGE 22 OF d
FIELD DATA RECORD - SEDIMENT FIELD SAMPLIN	IG NUMBER 791470	OC SAMPLING DATE 10.1.91
	SITE TYPE BUGR	FILE NAME CSO
	08 NUMBER 6853-04	WEATHER Cloudy, 050'S
ACTIVITY START: (315 END: 1320	PROGRAM C	preezy
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE [- 3 IN	MENT: EQUIPMENT USED FOR GRAVITY CORER TULIP BULB PLANT S.S. HAND SPOON ALUMINUM PAN PLASTIC SCOOP OTHER	POTABLE WATER
SAMPLE OBSERVATIONS COLORED AMBIENT AIR	O.O PPM LOCATION	0, 0 PPH PH UNITS
ANALYTICAL PARAMETERS		
METHOD NUMBER METHOD NUMBER METHOD NUMBER METHOD NUMBER METHOD METHOD AL DEG C AL DE	TON VOLUME SAMPLE COLLECTED DC	SAMPLE BOTTLE 1D NUMBERS 2251
(LOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG	ETHODS: VOC LM17, LM26 B/MA LM20 A, AS, BE, CD, CR, CU, PB, HG, 112, B9, JD21, JD20, Y9.	, NI, S8, SE, TL, ZN.
		1/m / m

RECEIVED BY:

BB ENVIRONMENTAL SERVICES, INC
ELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9143000 SAMPLING DATE 10.1.91
PROJECT USATHAMA-BAAP SITE TYPE BUGR FILE NAME CSO SITE 10 DRS 91 - 49 JOB NUMBER 6853-04
HEATHER CLOUDY 50'S
ACTIVITY START: 1325 END: 1330
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE
SAMPLE OBSERVATIONS COLORED AMBIENT O.O PPM LOCATION O.C PPM PH UNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION WOLUME SAMPLE METHOD REQUIRED COLLECTED
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
DC: a bottles EA: 2 bottles
SIGNATURE: VM/ME RECEIVED BY: 1 Name E. Roka

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER FAIL 49000 SAMPLING DATE 9.24.(1)
PROJECT USATHAMA-BAAP SITE TYPE BUGR FILE NAME CSO
SITE 10 17 18 S - 9 1 19 JOB NUMBER 6853-04 WEATHER FOLIN, 50'S
ACTIVITY START: 1000 END: 1005
SEDIMENT DATA DEPTH OF SEDIMENT: SAMPLE IN IYPE OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USES SEDIMENT SAMPLE IN IYPE OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USES SEDIMENT DATA OF SEDIMENT OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USES OF SEDIMENT DATA OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USES OF SEDIMENT OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USES OF SEDIMENT DATA OF SEDIMENT OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USES OF SEDIMENT SAMPLE IN OF SEDIMENT: DECONTAMINATION FLUIDS USES OF SEDIMENT SAMPLE OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USES OF SEDIMENT SAMPLE OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USES OF SEDIMENT SAMPLE OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USES OF SEDIMENT SAMPLE OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USES OF SEDIMENT SAMPLE OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USES OF SEDIMENT SAMPLE OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USES OF SEDIMENT SAMPLE OF SEDIMENT: DECONTAMINATION FLUIDS USES OF SEDIMENT SAMPLE OF SEDIMENT: DECONTAMINATION FLUIDS USES OF SEDIMENT SAMPLE OF SEDIMENT: DECONTAMINATION FLUIDS USES OF SEDIMENT SAMPLE OF SEDIMENT: DECONTAMINATION FLUIDS USES OF SEDIMENT SAMPLE OF SEDIMENT: DECONTAMINATION FLUIDS USES OF SEDIMENT SAMPLE OF SEDIMENT: DECONTAMINATION FLUIDS USES OF SEDIMENT SAMPLE OF SEDIMENT OF SE
SAMPLE OBSERVATIONS COLORED AMBIENT SAMPLE COLORED PPM PM UNITS
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE NUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS 4 DEG C CA AL CD CA AMA A DEG C CC CC CC CC CC CC CC CC CC CC CC CC C
NOSS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, 89, J021, J020, Y9. TCLF METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
DC: 4 bottles
SIGNATURE: VM/MC

RECEIVED BY: Namey E. Rosa

BB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9111803
PROJECT USATHAMA-BAAP SITE TYPE BUGR FILE NAME CSO
SITE ID PBS- 911-1118 JOB NUMBER 6853-04 MEATHER SUCCESS OF S
ACTIVITY START: 0800 END: 0810 PROGRAM C
SEDIMENT DATA DEPTH OF SEDIMENT: SEDIMENT SAMPLE 3-3.5' TYPE OF SEDIMENT: SAND TYPE OF SEDIMENT: GRAVITY CORER GRAVITY CORER TULIP BULB PLANTER FOR COLLECTION: GRAVEL OTHER OTHER OTHER OTHER DECONTAMINATION FLUIDS USED MALUMINUM PAN HIGH PRESSURE OTHER OTHER OTHER
SAMPLE OBSERVATIONS OF AMBIENT SAMPLE SAMPLE COLORED ON TOTAL OF THE LOCATION PPM PM UNITS
, ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE SAMPLE BOTTLE ID NUMBERS
NOES (LOCATION SKETCH) * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CJ, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
HNO TIP available for the day
DC: 2 bottles EA: 2 bottles
SIGNATURE: MR/VM RECEIVED BY: MANGUE, RORA

_

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER RAILOGO SAMPLING DATE 9.20.31
PROJECT USATHAMA-BAAP SITE TYPE POND
SITE TO R PS - 91 - C 1 JOB NUMBER 6853-04
LOCATION START: 1240 END: 1250 PROGRAM C
[
SEDIMENT DATA DEPTH OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED GRAVITY CORER SAND TYPE OF SAMPLE OSSAMPLE
SAMPLE OBSERVATIONS ODOR AMBIENT SAMPLE LOCATION - PPH PH NA UNITS
ANALYTICAL PARAMETERS
NETHOD PRESERVATION VOLUME SAMPLE
NOSS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
DC: 4 buttles In Rocket Paste Paste Pand Pand
road
SIGNATURE: VM/MR
RECEIVED BY: 1 Maria E. Rota

I	14
	BB ENVIRONMENTAL SERVICES, INC
	FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER RAIL OZOOO
•	FILE NAME CSO
	OCATICN PROGRAM C PROGRAM C PROGRAM C
• •	CTIVITY START: 1250 END: 1300
	SEDIMENT DATA IYPE OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMENTATION FOR HEAD AND ADDRESS OF THE PROPERTY OF THE P
-	SEDIMENT SAMPLE C - 3 IN CLAY GRAVITY CORER POTABLE WATER
	TYPE OF SAMPLE DISCRETE ORGANIC S.S. HAND SPOON HIGH PRESSURE
	OTHER PLASTIC SCOOP
	SAMPLE OBSERVATIONS ODOR AMBIENT SAMPLE COLORED high AIR PPH LOCATION PPM PH - UNITS
ز	NALYTICAL PARAMETERS
	METHOD PRESERVATION VOLUME SAMPLE
	AL JS12 4 DEG C
- 1 1	4 DEG C
	GD
	PB JD21 4 DEG C ACLP METALS (SPECIFIED BELOW) 4 DEG C
	MIT
1	TOC USEPA 350.2 4 DEG C USEPA CE-81-1 4 DEG C DC PH SU846 METHOD 9045 4 DEG C
1 5	WOC
	MG LW27 4 DEG C 1401 / 1402 / 1408 4 DEG C 1402 / 1
	MAM LNOS 4 DEG C 1402 1402 1403 1405
	H ===/==/;===/;===/;===
N(MATICH EVETCH)
	PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZH. JS12, R9 JD21 JD20 V9
	TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
	DC: 4 kottles Rocket
	IN Faste Pond
	RPS: 91-02 €
	road
	SIGNATURE: VA)/NIC
} —	RECEIVED BY: Namey E. Rota

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER R9103000 SAMPLING DATE 9-17-91
PROJECT USATHAMA-BAAP SITE TYPE DTCH
SITE ID RPS-91-03 JOB NUMBER 6853-04 FILE NAME CSO WEATHER SURRY ~ 70°
LOCATION C PROGRAM C START: 1030 END: 1040
SEDIMENT DATA
DEPTH OF SEDIMENT SAMPLE 0-3 IN CLAY GRAVITY CORER POTABLE MATER COLLAY FORGANIC (Trace) S.S. MAND SPOON HIGH PRESSURE
TYPE OF SAMPLE DISCRETE SILT ALUMINUM PAN DOTHER OTHER OTHER
SAMPLE OBSERVATIONS DOOR AMBIENT AIR PPH LOCATION PPH PH NA UNITS
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE (abc) HUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS 4 DEG C AL JS12 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 77/72 79/
CA MA 4 DEG C MA 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 7977 MIG PB JD21 4 DEG C JU177
4 DEG C 2 DC 1917
PB JD21 4 DEG C 79/7 J J J J J J J J J J J J J J J J J J J
MIT KF17 4 DEG C V 1/1/2 / 1/1
NM3N2
DC DC DC DC DC DC DC DC
**EN/A LN25 4 DEG C
NAM LNOS 4 DEG C 2 1/22/ / / / / / / / / / / / / / / / /
HG LW27 4 DEG C
NOS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26
(LOCATION SKETCH) B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, 2N.
JS12, B9 , JD21, JD20, Y9.
TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
DC = 3 bottled
EA: i bottle
1/11/1/18
RECEIVED BY: WONCH E. RORA
RECEIVED BY: UVWWW E. KOTCH

	BB ENVIRONMENTAL SERVICES, INC
	FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER RIGHT OF THE PROPERTY OF TH
	PROJECT USATHAMA-BAAP SITE TYPE DTCH
	SITE IN Q P S - Q I - Q II - Q III IND NUMBER 6853-04
	LOCATION START: 1300 END: 1115
	ACTIVITY START: 1100 END: 1115
I	SEDIMENT DATA DEPTH OF TYPE OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTANINATION FLUIDS USED
•	SEDIMENT SAMPLE 0-3 IN CLAY GRAVITY CORER POTABLE WATER WITH
1	TYPE OF SAMPLE MDISCRETE SILT S.S. HAND SPOON HIGH PRESSURE
•	COLLECTED COMPOSITE GRAVEL PLASTIC SCOOP OTHER
ı	SAMPLE OBSERVATIONS ODOR AMBIENT SAMPLE
ı	COLORED PK. Brown AIR PPM LOCATION PPM PM NA UNITS
ı	ANALYTICAL PARAMETERS NETHOD PRESERVATION VOLUME SAMPLE (abc)
	NUMBER METHOD REQUIRED COLLECTED SAMPLE DOFFRE ID NUMBERS
	AL JS12 4 DEG C
	MA 4 DEG C
	MCR 4 DEG C DC 414 1435 ///////
l_	M/AG Y9 4 DEG C 1435 ///////
	JCLP METALS (SPECIFIED BELOW) 4 DEG C
	M1T
	USEPA 350.2 4 DEG C
•	USEPA CE-81-1 4 DEG C PH SW846 METHOD 9045 4 DEG C DC
	*LVOC LN23 4 DEG C
Ì	ZNG LN27 4 DEG C 1938
ı	MAM
i	\mathbf{R}
l	L/////
1	
L	
	NOS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26
l	PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR ,CU, PB, HG, HI, SB, SE, TL, ZN.
	JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
Ī	EA BE: 1 bottle
ļ	EA BE: I bottle
l	
_	. 1
	SIGNATURE: VM/NR
٢	RECEIVED BY: Wancy E. Roka

J

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER R9 105000 SAMPLING DATE 9.17.91
PROJECT USATHAMA-BAAP SITE TYPE DTCH
SITE 10 R PS - 9 1 - 0 5 JOB NUMBER 6853-04 WEATHER SUDDY 60'S
ACTIVITY START: 1135 END: 1140
SEDIMENT DATA DEPTH OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED
SEDIMENT SAMPLE 0-5 IN CLAY GRAVITY CORER POTABLE WATER SAND TULIP BULB PLANTER POTABLE WATER WITH ORGANIC S.S. HAND SPOON HIGH PRESSURE
TYPE OF SAMPLE DISCRETE SILT ALUMINUM PAN OTHER OTHER OTHER OTHER OTHER OTHER
SAMPLE OBSERVATIONS COLORED AMBIENT SAMPLE SAMPLE UNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE (abel
NUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS 4 DEG C
PP METALS (SPECIFIED BELOW)
4 DEG C :453 /
DAG
##
W SO4 KT07 4 DEG C (ロランド・ロット・ロット・ロット・ロット・ロット・ロット・ロット・ロット・ロット・ロット
Dyoc LM23 4 DEG C
Dec Color
DONT LW23 4 DEG C
NOES * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26
PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9.
TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
DC: 3 bottles
EA: 1 buttle
SIGNATURE: VM/NC.
RECEIVED BY: Namcy E. Roka

عرب

٠.

_	
	BB ENVIRONMENTAL SERVICES, INC
-	FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER R9106000 SAMPLING DATE 917.91
	PROJECT USATHAMA-BAAP SITE TYPE DICH
1	SITE ID RIPS - 91 - 06 JOB NUMBER 6853-04 WEATHER SUDDY 60'S
1	LOCATION START: (150 END: 1200) PROGRAM C
1	SEDIMENT DATA DEPTH OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED SEDIMENT SAMPLE IN CLAY FRACE SAND TYPE OF SAMPLE DISCRETE COLLECTED OTHER TYPE OF SAMPLE COMPOSITE OTHER OTHER
1	SAMPLE OBSERVATIONS COLORED AMBIENT SAMPLE COLORED PPM PH UNITS
	ANALYTICAL PARAMETERS
	METHOD PRESERVATION VOLUME SAMPLE Idea
	* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 3 bottles EA: 1 5ottle
	SIGNATURE: VM/NR RECEIVED BY: Wancu E. Roka

٠.

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER RAIL 07 000 SAMPLING DATE 317.41
PROJECT USATHAMA-BAAP SITE TYPE DTCH FILE NAME CSO
SITE ID RPS - 91 - 07 JOB NUMBER 6853-04 WEATHER SUDDY 50'S
LOCATION ACTIVITY START: 1215 END: 1220
SEDIMENT DATA DEPTH OF SEDIMENT: FOUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED GRAVITY CORER SEDIMENT SAMPLE D-LI IN CLAY GRAVITY CORER TYPE OF SAMPLE DISCRETE ORGANIC SILT TYCCE SILT TYCCE SILT TYCCE SILT TYCCE SILT TYCCE SILT TYCCE SAMPLE DOTHER SAMPLE OBSERVATIONS COOP OTHER SAMPLE OBSERVATIONS COOP OTHER ODECONTAMINATION FLUIDS USED DECONTAMINATION FLUIDS USED DECONTAMINATION FLUIDS USED DOTHER POTABLE WATER WITH S.S. NAND SPOON HIGH PRESSURE OTHER OTHER SAMPLE OBSERVATIONS COOP OTHER OUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED DOTHER POTABLE WATER WITH DISCRETE OTHER OTHER SAMPLE OBSERVATIONS COOP OTHER OUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED DOTHER POTABLE WATER WITH DISCRETE OTHER OTHE
ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE Label
NOSS THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 3 bottles EA: i bottles
SIGNATURE: VM/NR RECEIVED BY: Wancy E. Roka

BB ENVIRONMENTAL SERVICES, INC
TELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER R9108000 SAMPLING DATE 9.17.91
PROJECT USATHAMA-BAAP SITE TYPE DTCH FILE NAME CSO
11TE 10 RPS- 91-08 JOB NUMBER 6853-04 WEATHER SUNNY, 60'S
LOCATION CTIVITY START: 1230 END: 1240
SEDIMENT DATA DEPTH OF SEDIMENT: SEDIMENT: SEDIMENT: SEDIMENT: SEDIMENT: SEDIMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED CLAY GRAVITY CORER TYPE OF SAMPLE DISCRETE COLLECTED COMPOSITE TYPE OF SEDIMENT: SCUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED TULIP BULB PLANTER POTABLE WATER WITH S.S. HAND SPOON HIGH PRESSURE ALUMINUM PAM OTHER OTHER OTHER OTHER
SAMPLE OBSERVATIONS ODOR AMBIENT SAMPLE COLORED COLORE
METHOD PRESERVATION VOLUME SAMPLE ICLDE
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 OCCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB.
JS12, 40 CFR 261.24
DC: 3 bottles
EA: 1 bothle
SIGNATURE: VM/MZ RECEIVED BY: NAMCY E, ROBOL

Ū

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER R910900 SAMPLING DATE 9.17.91
PROJECT USATHAMA-BAAP SITE TYPE DTCH FILE NAME CSO
SITE ID RPS - 91-09 JOB NUMBER 6853-04 WEATHER SURING, 60'S
ACTIVITY START: 1245 END: 1250 PROGRAM C
SEDIMENT DATA DEPTH OF SEDIMENT: SAMPLE 0-5 IN
SAMPLE OBSERVATIONS ODOR AMBIENT SAMPLE COLORED MOLATIC FORM AIR PPH LOCATION PPM PH UNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE 1000
PP METALS (SPECIFIED BELOW)
NOS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) PR METALS (PRIORITY POLICITANT): AG AS BE CO. CR. CH. PR. NG. NI. SR. SE. TI. ZN.
PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
DC: 3 bottles
EA: 1 bottle
SIGNATURE: Vm/MC
RECEIVED BY: Nancy E Roka

ABB ENVIRONMENTAL SERVICES, INC	SE 8 OF 14
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER R9 1 1 0000 SAMPLING DATE	9.17 91
PROJECT USATHAMA-BAAP SITE TYPE DTCH FILE NAME	cso
SITE ID R PS - 91 - 1 0 JOB NUMBER 6853-04 WEATHER	Sunny, 60's
ACTIVITY START: 1255 END: 1300	
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE O-6 IN CLAY SAMD CRAVITY CORER CORGANIC SILT ALUMINUM PAN COLLECTED SAMPLE OBSERVATIONS ODOR COLORED OTHER OTHER ANALYTICAL PARAMETERS METHOD NUMBER	UNITS
## CD ## CR	
NOSS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 ** THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 ** SP/NA LM20 ** PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR ,CU, PB, HG, NI, SB, SE, TL, ZN. ** JS12, 89, JD21, JD20, Y9.	· · · · · · · · · · · · · · · · · · ·
TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24	
DC: 3 bottles EA: 1 bottle	
1	
SIGNATURE: VM/M	
RECEIVED BY: Wance E.	Roka

U

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER R9 11 1000
PROJECT USATHAMA-BAAP SITE TYPE DTCH FILE NAME CSO
SITE TO RPS-91-11 JOB NUMBER 6853-04 WEATHER SURRY, 60'S
ACTIVITY START: 1310 END: 1320
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE
METHOD
NOS * THESE ARE DATACHEM METHODS: EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) ** THESE ARE DATACHEM METHODS: EA METHODS: VOC LM17, LM26 ** LM20
PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZM. JS12, B9, JD21, JD20, Y9.
TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
DC: 3 bottles EA: 1 bottle
SIGNATURE: NR/VM
RECEIVED BY: Namey E Roka

s :--

. .

••

10 41
ABB ENVIRONMENTAL SERVICES, INC
LD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER R91112000 SAMPLING DATE 9.17.91
PROJECT USATHAMA-BAAP SITE TYPE DICH
SITE 10 RPS - 91 - 12 JOB NUMBER 6853-04 WEATHER SUNNY, 60'S
ACTIVITY START: 1325 END: 1335
SEDIMENT DATA DEPTH OF SEDIMENT: SEDIMENT: SEDIMENT: SEDIMENT: SEDIMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USES COLLECTED COMPOSITE SILT SOUPHENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USES FOULIPMEN
SAMPLE OBSERVATIONS ODOR AMBIENT SAMPLE COLORED LIGHT TO drk AIR PPH LOCATION PPM PH UNITS
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE COLLECTED SAMPLE DATA
NOSS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 ***LOCATION SKETCH** ***PORT
JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, P8. JS12, 40 CFR 261.24
DC= 3 bottles EA= 1 bottle
1 (mg / 8N)
SIGNATURE: VM/MC
RECEIVED BY: Wancy E. Roka

ABB ENVIRONMENTAL SERVICES, INC FIELD DATA RECORD - SEDIMENT FIELD SAMPLING RUMBER RIGHT 1 300 00 SAMPLING DATE 9.17.91 PROJECT USATHAMA-BAAP SITE TYPE DTCH FILE MAKE CS3 LICCATION START: 13-0 END: 1345 SEDIMENT DATA SEDIMENT DATA TYPE OF SEDIMENT CORE COLLECTED CONDOSITE COLLECTION: DECONTAMINATION FLUIDS USED PROGRAM COLLECTED COLORED GIERE TOTOLAN AIR PPH CHARLES SLOOP OTHER HIGH PRESSURE ANALYTICAL PARAMETERS METHOD REPORT OF SAMPLE COLLECTED SAMPLE WITH HIGH PRESSURE ANALYTICAL PARAMETERS METHOD REPORT OF SAMPLE COLLECTED SAMPLE SAMPLE BELOW; ANALYTICAL PARAMETERS METHOD REPORT OF SAMPLE COLLECTED SAMPLE SAMPLE SAMPLE BELOW; ANALYTICAL PARAMETERS METHOD REPORT OF SAMPLE COLLECTED SAMPLE SAMPLE BELOW; ANALYTICAL PARAMETERS METHOD REPORT OF SAMPLE COLLECTED SAMPLE SAMPLE BELOW; ANALYTICAL PARAMETERS METHOD REPORT OF SAMPLE SAMPL	
PROJECT USATHAMA-BAAP SITE TYPE DTCH SITE TYPE DTCH FILE NAME CSD JOB NUMBER 6853-04 FILE NAME CSD WEATHER SLETY, 60'S SEDIMENT DATA DEPTH OF SEDIMENT: GRAVITY CORER SEDIMENT SAMPLE O_U IN CLAY SEDIMENT SAMPLE O_U IN CRAYITY CORER TYPE OF SAMPLE DISCRETE COMPOSITE TYPE OF SAMPLE COMPOSITE GRAVEL OTHER SAMD OTHER OTHER OTHER OTHER METHOD PRESERVATION VOLUME SAMPLE PP METALS (SPECIFIED BELOW) ALLMINUM PAN DISCRETE COLORED SAMPLE ID NUMBERS METHOD RESERVATION VOLUME SAMPLE SAMPLE OBSERVATED SAMPLE SAMPLE SAMPLE SAMPLE SAMPLE DISCRETE OTHER NUMBER METHOD REGUIRED COLLECTED SAMPLE BRATTE ID NUMBERS ALLMINUM PAN DISCRETE OTHER OTHER PP METALS (SPECIFIED BELOW) JS12 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C	ABB ENVIRONMENTAL SERVICES, INC
SITE TYPE DICH SOLOTION SITE TYPE DICH SOLOTION SITE TYPE DICH SOLOTION SITE TYPE DICH SOLOTION SITE TYPE DICH SOLOTION SITE TYPE DICH SOLOTION SITE TYPE DICH SOLOTION SITE TYPE DICH SOLOTION SOLOTION SITE TYPE DICH SOLOTION SOLOTION SITE TYPE DICH SOLOTION SOLOTION SITE TYPE DICH SOLOTION SOLOTION SITE TYPE DICH SOLOTION SOLOTION SITE TYPE DICH SOLOTION SOLOTION SITE TYPE DICH SOLOTION SOLOTION SOLOTION SITE TYPE DICH SOLOTION	FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER R9: 13000
SEDIMENT DATA DEPTH OF SEDIMENT START: 13:10 END: 1345 SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE 0-4 IM TYPE OF SAMPLE OLICETTE COLLECTED COMPOSITE SAMPLE OBSERVATIONS COLORED OF SEDIMENT SAMPLE OTHER SAMPLE OBSERVATIONS COLORED OF SEDIMENT SAMPLE OTHER ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE SAMPLE SAMPLE BEATSRE ID NUMBER METHOD NUMBER METHOD REQUIRED COLLECTED SAMPLE BEATSRE ID NUMBERS METHOD RESERVATION VOLUME SAMPLE SAMPLE BEATSRE ID NUMBERS ANALYTICAL PARAMETERS METHOD RESERVATION VOLUME SAMPLE SAMPLE BEATSRE ID NUMBERS ANALYTICAL PARAMETERS METHOD RESERVATION VOLUME SAMPLE SAMPLE BEATSRE ID NUMBERS ANALYTICAL PARAMETERS METHOD RESERVATION VOLUME SAMPLE SAMPLE BEATSRE ID NUMBERS A DEG C 4 DEG C 4 DEG C	PROJECT USATHAMA-BAAP SITE TYPE DICH
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE O_U IN CLAY CRAYITY CORE TYPE OF SAMPLE DISCRETE COLLECTED COMPOSITE SAMPLE OBSERVATIONS ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE DPM HETALS (SPECIFIED BELOW) ALL JS12 4 DEG C A DEG C A DEG C A DEG C A DEG C A DEG C A DEG C A DEG C A DEG C A DEG C A DEG C A DEG C A DEG C A DEG C A DEG C A DEG C A DEG C A DEG C A DEG C	SITE ID RPS - 91-13 JOB NUMBER 6853-04 WEATHER SUCON 60'S
DEPTH OF SEDIMENT: FOUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED SEDIMENT SAMPLE OF	LOCATION PROGRAM C
SAMPLE OBSERVATIONS ODOR AMBIENT OTHER COLORED GIVE, OTOWN AIR PPM CCATION PPM PM - UNITS ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE NUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTEE ID NUMBERS PP METALS (SPECIFIED BELOW) AL JS12 4 DEG C 4 DEG C 4 DEG C 4 DEG C	DEPTH OF SEDIMENT SAMPLE 0-4 IN CLAY CRAVITY CORER GRAVITY CORER TULIP BULB PLANTER POTABLE WATER WITH ORGANIC TYPE OF SAMPLE DISCRETE SILT ALUMINUM PAN DECONTAMINATION FLUIDS USED GRAVITY CORER POTABLE WATER WITH HIGH PRESSURE
METHOD PRESERVATION VOLUME SAMPLE dbe NUMBER METHOD REQUIRED COLLECTED SAMPLE BOFFEE ID NUMBERS PP METALS (SPECIFIED BELOW) AL JS12 4 DEG C 4 DEG C 4 DEG C	SAMPLE OBSERVATIONS COOR . AMBIENT
METHOD PRESERVATION VOLUME SAMPLE dbe NUMBER METHOD REQUIRED COLLECTED SAMPLE BOFFEE ID NUMBERS PP METALS (SPECIFIED BELOW) AL JS12 4 DEG C 4 DEG C 4 DEG C	ANALYTICAL PARAMETERS
	PP METALS (SPECIFIED BELOW) AL CA JS12 4 DEG C JS12 4 DEG C A DEG C A DEG C
	DC=3 bottles EA=1 bottle
	SIGNATURE: NR/VM
EA = 1 bottle	RECEIVED BY: Name E. Roka

• ...

. .

ABB ENVIRONMENTAL SERVICES, INC	PAGE 13 OF 14
LD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER RAIL HOOD	0 10 (1)
PROJECT USATHAMA-BAAP SITE TYPE DTCH FILE NAME	9.17 91 cso
SITE ID RPS-91-14 JOB NUMBER 6853-04 WEATHER	cloudy, %o's
LOCATION ACTIVITY START: 1350 END: 1355	rodray, ess
SEDIMENT SAMPLE 0-5 IN CLAY GRAVITY CORER SAND TULIP BULB PLANTER GRAVITY CORER CORGANIC S.S. HAND SPOON	ITAMINATION FLUIDS USED POTABLE WATER POTABLE WATER WITH HIGH PRESSURE OTHER
SAMPLE OBSERVATIONS ODOR AMBIENT SAMPLE COLORED LIGHT TO TOWN	pH UNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE jabel	
METHOD PRESERVATION VOLUME SAMPLE CALESTED CALESTED SAMPLE CALESTED CA	D NUMBERS
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 ** LOCATION SKETCH) ** THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 ** B/NA LM20 ** PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. ** THESE ARE DATACHEM METHODS: VOC LM17, LM26 ** B/NA LM20 ** THESE ARE DATACHEM METHODS: VOC LM17, LM26 ** B/NA LM20 ** DATACHEM METHODS: VOC LM17, LM26 ** B/NA LM20 ** DATACHEM LM20 ** PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. ** TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 ** DC: 3 bottles EA: bottles ** THESE ARE DATACHEM METHODS: VOC LM17, LM26 ** B/NA LM20 ** DATACHEM LM20	
SIGNATURE: VM/ME RECEIVED BY: 1/Vamcing	F Rofe

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER R9115000
PROJECT USATHAMA-BAAP SITE TYPE DTCH
SITE ID RPS-91-15 JOB NUMBER 6853-04 FILE NAME CSO WEATHER CLOUCH, "60"S
LOCATION START: 1400 END: 1410
SEDIMENT DATA
DEPTH OF SEDIMENT SAMPLE O-4 IN CLAY SAND GRAVITY CORER POTABLE MATER ORGANIC S.S. HAND SPOON HIGH PRESSURE
TYPE OF SAMPLE DISCRETE SILT ALUMINUM PAN OTHER COLLECTED COMPOSITE GRAVEL PLASTIC SCOOP OTHER OTHER
SAMPLE OBSERVATIONS ODOR AMBIENT SAMPLE COLORED ALL. OTTO AIR PPH LOCATION PPM PH - UNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE (abe)
PP METALS (SPECIFIED BELOW)
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) ** THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. ** THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. ** THESE ARE DATACHEM METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. ** THESE ARE DATACHEM METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. ** TOLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC = 3 bottles EA = 1 bottles EA = 1 bottles ** THESE ARE DATACHEM METHODS: VOC LM17, LM26 B/MA LM20 B/MA LM20 B/MA LM20 B/MA LM20 B/MA LM20 TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
SIGNATURE: VM.) NR. RECEIVED BY: Wancy E. Roka

LY E. Koha

ABB ENVIRONMENTAL SERVICES, INC	PAGE 6 OF 20
DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER	
PROSET USATHAMA-BAAP SITE TYPE	SAMPLING DATE 9.1891
SITE ID RPS-91-22 JOB NUMBER	FILE NAME CSO
LOCATION	WEATHER prt. Sunny, \$50'S
ACTIVITY START: 0930 END: 0940	winay
SEDIMENT DATA	
DEPTH OF SEDIMENT SAMPLE 0-7 IN TYPE OF SEDIMENT: CLAY SAMD	GRAVITY CORLA TULIP BULB PLANTER DECONTAMINATION FLUIDS USED POTABLE WATER DOTABLE WATER WITH
TYPE OF SAMPLE DISCRETE SILT TYPE	ALUMINUM PAN OTHER
COLLECTED COMPOSITE GRAVEL OTHER	PLASTIC SCOOP OTHER
SAMPLE OBSERVATIONS ODOR AMBIENT	SAMPLE
COLORED Tohi From AIR D.D.	PPM LOCATION D.O PPM PH UNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION W	OLUME SAMPLE (abe)
NUMBER METHOD RE	QUIRED COLLECTED SAMPLE :0000E ID NUMBERS
□AL JS12 4 DEG C	H ====================================
D	(E) T174 / - / -
ANA	DC { 1774
MPB JD21 4 DEG C MATCLP METALS (SPECIFIED BELOW) 4 DEG C	DC \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
KF17 4 DEG C	1715
USEPA 350.2 4 DEG C USEPA CE-81-1 4 DEG C	
Su846 METHOD 9045 4 DEG C LM23 4 DEG C	
Man/A . LM25 4 pec c	
MG LW27 4 DEG C MAM LW08 4 DEG C MONT LW23 4 DEG C	
H	DC { 1749
-	
NOS: * THESE ARE DATACHEM METHODS: EA METHODS:	VOC LM17, LM26
LOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE	B/NA LM20 , CD, CR ,CU, PB, NG, NI, SB, SE, TL, ZN.
	JD21, JD20, Y9.
JS12, 40 CFR 261.24	
DC. 4 Littles	
DC: & bottles	
ETI. I SUITE (
	1
	SIGNATURE: VM/M2
	RECEIVED BY: Namey E. Roka
	J

ABB ENVIRONMENTAL SERVICES, INC	PAGE 7 OF 20
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER	R9123000 SAMPLING DATE 9.18.91
PROJECT USATHAMA-BAAP SITE TYPE	DTCH SAMPLING DATE Q.18.91
SITE ID RPS-91-23 JOB NUMBER	6853-04
LOCATION ACTIVITY START: 0945 END: 0955	c windy, "50's
SEDIMENT SAMPLE 0-6 IN CLAY SAND CORGANIC COLLECTED COMPOSITE GRAVEL	GRAVITY CORER TULIP BULB PLANTER S.S. NAMO SPOON ALUMINUM PAN PLASTIC SCOOP OTHER
SAMPLE OBSERVATIONS ODOR AMBIENT CO.O.O.	PPH LOCATION C.O PPH PH UNITS
ANALYTICAL PARAMETERS	
NETHOD PRESERVATION VOLUMENT NETHOD REQUIRED	
PP METALS (PRIORITY POLLUTANT): AG, AS, BE, (NA LM20
	SIGNATURE: VM/ NR

RECEIVED BY:

BB ENVIRONMENTAL SE	RVICES, INC	PAGE <u>8</u> OF <u>20</u>
ELD DATA RECORD - SEDIMENT	FIELD SAMPLING NUMBER R912400	SAMPLING DATE 9-18-91
PROJECT USATHAMA-BAAP	SITE TYPE DTCH	SAMPLING DATE 9-18-91 FILE NAME CSO
TITE 10 RPS - 91-24	JOB NUMBER 6853-04	WEATHER prt sunny, "50's
ACTIVITY START: 1000 END: 10	PROGRAM C	windy
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE 0-4 IN	TYPE OF SEDIMENT: EQUIPMENT USED FOR GRAVITY CORER TULIP BULB PLANT	POTABLE WATER POTABLE WATER WITH
TYPE OF SAMPLE DISCRETE COLLECTED COMPOSITE	ORGANIC SILT GRAVEL OTHER OTHER OTHER	OTHER
SAMPLE OBSERVATIONS COLORED COLORED	AMBIENT SAMPLE LOCATION	O.O PPH PH — UNITS
ANALYTICAL PARAMETERS	PRESERY ON VOLUME SAMPLE	
PP METALS (SPECIFIED BELOW) AL JS12 CA MA CCD MCR MCR MIT SOL MIT MIT MIT MIT MIT MIT MIT MIT MIT MIT	METH REQUIRED COLLECTED 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 1 4 DEG C	SAMPLE BOTTLE ID NUMBERS TRIE
PP METALS (PRIORITY P TCLP METALS: CD, CR,	CFR 261.24	
	SIGNATURE:	14 = 5
[RECEIVED BY:	Nancy E. Roka

ਹ

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER R9125000 SAMPLING DATE 9.18.91
PROJECT USATHAMA-BAAP SITE TYPE DTCH FILE NAME CSO
SITE ID RPS - 91-25 JOB NUMBER 6853-04 WEATHER (laudy, 240'S
LOCATION START: 1240 END: 1250 PROGRAM C WINDY
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE O-4 IN CLAY SAND TYPE OF SEDIMENT: CLAY SAND TULIP BULB PLANTER POTABLE WATER WITH POTABLE WATER WITH ORGANIC TYPE OF SAMPLE DISCRETE OTHER OTHER
COLLECTED COMPOSITE GRAVEL PLASTIC SCOOP OTHER
SAMPLE OBSERVATIONS COLORED AMBIENT O,O PPM LOCATION O,O PPM PM — UNITS
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE METHOD PRESERVATION VOLUME SAMPLE METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS 4 DEG C LOCA L
NOSS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZM. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 ** THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZM. JS12, B9, JD21, JD20, Y9. ** THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZM. JS12, 40 CFR 261.24
SIGNATURE: VM/MR
RECEIVED BY: Namey E. Roka

Ü

_		
_	BB ENVIRONMENTAL SERVICES, INC	PAGE 10 OF 20
Ų	ELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER R9126000	0.00
ļ	PROJECT USATHAMA-BAAP SITE TYPE DTCH FILE NAI	10.11
	SITE ID RPS - 91-26 JOB NUMBER 6853-04 MEATH	
	LOCATION START: (255 END: 1305	windy Hos
Ì	SEDIMENT DATA DEPTH OF THE OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DE	CONTAMINATION FLUIDS USED
	SEDIMENT SAMPLE IN CLAY GRAVITY CORER SAND TULIP BULB PLANTER GRAVITY CORER SAND SAN	POTABLE WATER POTABLE WATER WITH HIGH PRESSURE
ļ	TYPE OF SAMPLE DISCRETE SILT ALLIMINUM PAN COLLECTED GRAVEL PLASTIC SCOOP	OTHER
	OTHER OTHER	
1	SAMPLE OBSERVATIONS COLORED AMBIENT O. O PPM LOCATION O. D PPM	PH VA UNITS
•		
ĺ	NALYTICAL PARAMETERS NETHOD PRESERVATION VOLUME SAMPLE	
•	PP METALS (SPECIFIED BELOW) NUMBER NETHOD REQUIRED COLLECTED SAHPLE BOTTLE 4 DEG C JS12 4 DEG C	E ID NUMBERS
ı	JS12 4 DEG C	
ı	4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C	
	## 4 DEG C ### 4 DEG C ### 4 DEG C ### 4 DEG C ### 1 DEG C	
L	TCLP METALS (SPECIFIED BELOW) 4 DEG C	
	NIT KF17 4 DEG C 1859 /	
Ī	NH3N2 USEPA 350.2 4 DEG C USEPA CE-81-1 4 DEG C DC	_//
•	PH SN846 METHOD 9045 4 DEG C LM23 4 DEG C	
1	1981/A LM25 4 DEG C 1861 1862 1862 1862 1862 1862 1862 1862	/,
ł	Mg	
	NOS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26	
	LOCATION SKETCH) B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR ,CU, PB, HG, NI, SB, SE, TL, ZI	N.
l	JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB.	
)	JS12, 40 CFR 261.24	
ı	DC: 43 bottles	
ł	1 DC: 40 BOTTLES	
ı	1	
1	1	
ŀ	.	
	SIGNATURE: VM/NE	
Γ	RECEIVED BY: Namey	E. Roka

AEB ENVIRONMENTAL SERVICES, INC	PAGE 11 OF 2			
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER	P9: 27000			
PROJECT USATHAMA-BAAP SITE TYPE	DTCH SAMPLING DATE 9.18.91			
SITE ID R PS-911-27 JOB MUMBER	6853-04 FILE NAME CSO			
LOCATION PROGRAM	C Windu			
ACTIVITY START: 1310 END: 1320	<i>w</i>			
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE 0-6 IN TYPE OF SAMPLE DISCRETE COLLECTED COMPOSITE SAMPLE OBSERVATIONS COOR AMBIENT TYPE OF SEDIMENT: CLAY SAMD ORGANIC SILT GRAVEL OTHER AMBIENT	EQUIPMENT USED FOR COLLECTION: GRAVITY CORER TULIP BULB PLANTER S.S. HAND SPOON ALUMINUM PAN PLASTIC SCOOP OTHER SAMPLE			
COLORED AIR O.O	PPM LOCATION D.O PPM PH - UNITS			
ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE METHOD REQUIRED COLLECTED AL JS12 4 DEG C AL 4 DEG C A				
DC: 3 bottles				

RECEIVED BY:

. **.** .

BB ENVIRONMENTAL SERVICES, INC				
TELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER R9 28000 SAMPLING DATE 9.45 91				
PROJECT USATHAMA-BAAP SITE TYPE DTCH FILE NAME CSO				
SITE ID RPS -91-28 JOB NUMBER 6853-04 MEATHER Cloudy, OHO'S				
LOCATION START: 1320 END: 1330 PROGRAM C				
SEDIMENT DATA DEPTH OF SEDIMENT: SAMPLE 0-8 IN TYPE OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED GRAVITY CORER TULIP BULB PLANTER POTABLE WATER WITH ORGANIC S.S. HAND SPOON HIGH PRESSURE COLLECTED COMPOSITE GRAVEL OTHER OTHER OTHER				
SAMPLE OBSERVATIONS COLORED D-3" dk brown AIR O.O PPM LOCATION O.O PPM pH UNITS				
ANALYTICAL PARAMETERS				
METHOD PRESERVATION VOLUME SAMPLE NUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS 4 DEG C AL AL JS12 4 DEG C 4 DEG				
NOSS LOCATION SKETCH) * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, 2N. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 3 bottles				
SIGNATURE: VM/MR RECEIVED BY: Warray E. Rofia				

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER R9129000 SAMPLING DATE 9.12.91
PROJECT USATHAMA-BAAP SITE TYPE TTCH
SITE ID RPS-19-29 JOB NUMBER 6853-04 FILE NAME CSO WEATHER CIOUSLY 970'S
LOCATION ACTIVITY START: 1330 END: 1335
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE SAMPLE COLLECTED SAMPLE BOTTLE ID NUMBERS
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 3 bottles
SIGNATURE: VM/NR

RECEIVED BY:___

B ENVIRONMENTAL SERVICES, INC			
ELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER R913 COO SAMPLING DATE 10 2 3			
OPOJECT USATHAMA-BAAP SITE TYPE DICH			
TE 10 RPS - 91 - 371 JOB NUMBER 6853-04 WEATHER COUCHE 305			
LOCATION START: 1605 END: 1610			
SEDIMENT DATA DEPTH OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED GRAVITY CORER CLAY GRAVITY CORER TYPE OF SAMPLE OF			
SAMPLE OBSERVATIONS COLORED ACALTAS AND LE LOCATION PPM PH UNITS			
NALYTICAL PARAMETERS			
METHOD PRESERVATION VOLUME SAMPLE NUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS AL METHOD PRESERVATION REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS 4 DEG C CA 4 DE			
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 DCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24			
DC'i bottle			
* Resampled for musical hold time			
SIGNATURE: VIN / FOR			
RECEIVED BY: 1/17/COLO E. ROTER			
RECEIVED BY: 1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/			

<u>_</u>/

ABB ENVIRONMENTAL SERVICES, INC	PAGE 16 OF 29			
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER R9132000 SAMPLING DATE	9.18.91			
PROJECT USATHAMA-BAAP SITE TYPE DTCH FILE NAME				
SITE ID RPS-91-32 JOB NUMBER 6853-04 WEATHER				
ACTIVITY START: 1400 END: 1405	wirdy			
SEDIMENT SAMPLE 0-8 IN CLAY GRAVITY CORER SAND TULIP BULB PLANTER J. ORGANIC LYS.S. HAND SPOON	MTAMINATION FLUIDS USED POTABLE WATER POTABLE WATER WITH HIGH PRESSURE OTHER			
	pri			
ANALYTICAL PARAMETERS METHOD PRESERVATION WOLUME SAMPLE NUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE PP METALS (SPECIFIED BELOW) AL JS12 4 DEG C AMA VCD JCR JO21 4 DEG C JO21 4 DEG C JO21 4 DEG C JO21 4 DEG C JO21 4 DEG C JO21 4 DEG C JO21 4 DEG C JO21 4 DEG C JO21 4 DEG C JO21 4 DEG C JO22 1 4 DEG C JO23 1 4 DEG C JO24 1 1936 MITT KF17 4 DEG C JO25 1 1936 MITT USEPA 350.2 4 DEG C JO26 1 1936 MITT USEPA CE-81-1 4 DEG C JO26 1 1936 MITT USEPA CE-81-1 4 DEG C JO27 4 DEG C JO28 1 1936 MITT USEPA CE-81-1 4 DEG C JO28 1 1936 MITT USEPA CE-81-1 4 DEG C JO28 1 1936 MITT USEPA CE-81-1 4 DEG C JO28 1 1936 MITT USEPA CE-81-1 4 DEG C JO28 1 1936 MITT USEPA CE-81-1 4 DEG C MITT USEPA CE-81-1 4	ID NUMBERS			
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LH17, LM26 (LOCATION SKETCH) ** THESE ARE DATACHEM METHODS. EA METHODS: VOC LH17, LM26 ** B/NA LM20 ** PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. ** JS12, 89, JD21, JD20, Y9. ** THESE ARE DATACHEM METHODS. EA METHODS: VOC LH17, LM26 ** B/NA LM20 ** PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. ** JS12, 89, JD21, JD20, Y9. ** DC: 3 bottles ** EA: 1 bottles ** THESE ARE DATACHEM METHODS: VOC LH17, LM26 ** B/NA LM20 ** PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. ** JS12, 89, JD21, JD20, Y9. ** DC: 3 bottles ** EA: 1 bottles ** DC: 3 bottles ** DC: 3 bottles ** DC: 4 bottles ** DC				
SIGNATURE: VM/M2	E Rofta			

BB ENVIRONMENTAL SERVICES, INC				
TELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER R9130000 SAMPLING DATE 9.12.91				
PROJECT USATHAMA-BAAP SITE TYPE DTCH FILE NAME CSO				
SITE ID R PS - 91-30 JOB NUMBER 6853-04 WEATHER CLOUDY 940'S				
LOCATION START: 1350 END: 1355				
SEDIMENT DATA DEPTH OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED GRAVITY CORER SEDIMENT SAMPLE O-5 IN CLAY GRAVITY CORER SAND TULIP BULB PLANTER ORGANIC S.S. HAND SPOON HIGH PRESSURE COLLECTED COMPOSITE GRAVEL PLASTIC SCOOP OTHER SAMPLE OBSERVATIONS COOR AMBIENT OO PPM LOCATION DO PPM DH UNITS				
COLORED AIR O.O PPH LOCATION O.O PPH PH — UNITS				
NALYTICAL PARAMETERS				
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 3 6 off Les				
SIGNATURE: VM/MR RECEIVED BY: 1 Name F. Roha				

ABB ENVIRONMENTAL SERVICES, INC PROJECT USEXTRAN-SAMP STITE 10 POST 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
PROJECT USATINAMA-BAD SITE TYPE DTCH SAMPLE STORY STORY STORY STORY STORY STORY SAMPLE STORY STORY SAMPLE STORY STORY SAMPLE STORY STORY SAMPLE STORY STORY SAMPLE STORY STORY SAMPLE STORY STORY SAMPLE STORY STORY SAMPLE STORY STORY SAMPLE STORY STORY SAMPLE STORY SAMPLE STORY STORY SAMPLE STORY SAMPLE STORY SAMPLE STORY SAMPLE STORY SAMPLE STORY SAMPLE STORY SAMPLE STORY SAMPLE SAMPLE STORY SAMPLE SAMPLE STORY SAMPLE SAMPLE STORY SAMPLE SAMPLE SAMPLE STORY SAMPLE SAMPLE SAMPLE STORY SAMPLE SAMPLE SAMPLE SAMPLE STORY SAMPLE SAMPL	ABB ENVIRONMENTAL SERVICES, INC	PAGE 14 OF
SECONTION SEATON PROCESS STEET TO REPLACE COLUMN START: 13 45 END: 1340 DOES NAMERE COLUMN SECONTION TO SAMPL	FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER	R9131000 SAMOLING DATE Q 1921
SEDIMENT DATA SEDIMENT DATA DEPTA OF SAMPLE	PROJECT USATHAMA-BAAP SITE TYPE	DICH
SEDIMENT DATA SET OF SAMPLE 0-6 IN SEDIMENT DATA DEFT OF SAMPLE 0-6 IN SEDIMENT DATA DEFT OF SAMPLE 0-6 IN SEDIMENT DATA DEFT OF SAMPLE 0-6 IN SEDIMENT DATA DEFT OF SAMPLE 0-15 IN SEDIMENT DATA DEFT OF SAMPLE 0-15 IN SEDIMENT DATA DEFT OF SAMPLE 0-15 IN SEDIMENT DATA DEFT OF SAMPLE 0-15 IN SEDIMENT DATA DEFT OF SAMPLE 0-15 IN SEDIMENT DATA DEFT OF SAMPLE 0-15 IN SEDIMENT DATA THE OF SAMPLE IN SEDIMENT DATA THE OF SAMPLE SEDIMENT IN SICH PRESSURE DOTHER SAMPLE GENERALITION IN SAMPLE GENERALITION IN SAMPLE GENERALITION IN SAMPLE DATA ANALYTICAL PARAMETERS HETMOO PRESERVATION IN SEDIMENT DATA ANALYTICAL PARAMETERS HETMOO PRESERVATION IN SEDIMENT DATA ANALYTICAL PARAMETERS HETMOO PRESERVATION IN SEDIMENT DATA SAMPLE GENERALITY DATA ANALYTICAL PARAMETERS HETMOO PRESERVATION IN SEDIMENT DATA SAMPLE GENERALITY DATA HETMOO PRESERVATION IN SAMPLE SAMPLE BOTTLE 10 NUMBERS HETMOO PRESERVATION IN SEDIMENT DATA SAMPLE OF SAMPLE WITH IN SAMPLE DATA SAMPLE GENERALITY DATA SAMPLE GENERALITY DATA SAMPLE GENERALITY DATA SAMPLE GENERALITY DATA SAMPLE GENERALITY DATA SAMPLE GENERALITY DATA SAMPLE SAMPLE BOTTLE 10 NUMBERS HETMOO PRESERVATION IN SAMPLE GENERALITY DATA SAMPLE	SITE ID RPS-91-31 JOB NUMBER	6853-04
DEPTIN OF SAMPLE 0-6 IN THE CLAY CLAY CLAY CLAY CLAY CLAY CLAY CLAY	ACTIVITY START: 1345 END: 1340 PROGRAM	
TIVE OF SAMPLE DISCRETE COLLECTED TYPE OF SAMPLE CONCECTED SAMPLE CONCECTED CONCECTED CONCECTED COLLECTED SAMPLE COLLECTED SAMPLE COLLECTED SAMPLE COLLECTED SAMPLE COLLECTED SAMPLE COLLECTED SAMPLE COLLECTED SAMPLE COLLECTED SAMPLE COLLECTED SAMPLE COLLECTED SAMPLE COLLECTED SAMPLE COLLECTED SAMPLE COLLECTED SAMPLE COLLECTED SAMPLE COLLECTED SAMPLE SAMPLE COLLECTED SAMPLE SAMPLE COLLECTED SAMPLE SAMPLE COLLECTED SAMPLE SAMPLE COLLECTED SAMPLE COLLECTED SAMPLE SAMPLE SAMPLE COLLECTED SAMPLE SAMPLE COLLECTED SAMPLE SAMPLE SAMPLE COLLECTED SAMPLE SAMPLE SAMPLE COLLECTED SAMPLE	DEPTH OF IYPE OF SEDIMENT:	
TYPE OF SAMPLE COLLECTED CONCRETE COLLECTED OTHER COLLECTED COLLECTED CONCRETE COLLECTED OTHER COLLECTED OTHER COLLECTED COLLECTED OTHER COLLECTED OTHER COLLECTED SAMPLE BOTTLE TO MUSICE METHOD PRESERVATIONS COLLECTED SAMPLE BOTTLE TO MUSICE METHOD REQUIRED COLLECTED SAMPLE BOTTLE TO MUSICE METHOD RECUIRED COLLECTED SAMPLE BOTTLE TO MUSICE METH	SAND	
ANALYTICAL PARAMETERS METHOD PP METALS (SPECIFIED BELOW) JS12 4 DEG C	TYPE OF SAMPLE FOISCRETE SILT COLLECTED COMPOSITE GRAVEL	ALUMINUM PAN OTHER
METHOD PRESERVATION VOLUME SAMPLE METHOD RETORD REQUIRED COLLETED NETHOD PRESERVATION VOLUME SAMPLE A DEC C 4 DEC C 5 DEC C		
METHOD PRESERVATION VOLUME SAMPLE NETHOD RETORD REQUIRED COLLETED NETHOD PRESERVATION VOLUME SAMPLE COLLETED SAMPLE BOTTLE 10 NUMBERS 1512 4 DEC C 4 DEC C 4 DEC C 4 DEC C 4 DEC C 4 DEC C AA 4 DEC C AB AB AB AB AB AB AB AB AB A	ANALYTICAL PARAMETERS	
NOES THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 LM23 LM23 LM23 LM24 LM23 LM25 LM25 LM25 LM25 LM25 LM25 LM26 LM27 LM23 LM26 LM27 LM23 LM26 LM27 LM23 LM26 LM27 LM26 LM26 LM27 LM26 LM26 LM26 LM27 LM26	NIMBED METHOD PEO	
NOBS	DEC 4 DEG C	1963
TOC	MANG YY 4 DEG C	DC \
VOC	EVICEP METALS (SPECIFIED BELOW) KF17 4 DEG C LASO KF17 4 DEG C	1964
NOSE (LOCATION SKETCH) NOSE (∐NH3N2 USEPA 350.2 4 DEG C	
NOSS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 PP ME &LS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CD, CR, CD, CR, CD, PB, NG, NI, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9. DC: 3 bottles EA: # bottles SIGNATURE:	DH SW846 METHOD 9045 4 DEG C	
NOSS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP ME *LS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR , CU, PB, NG, NI, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, NG, PB. JS12, 40 CFR 261.24 DC: 3 bottles EA: ** DC: 3 bottles EA: ** SIGNATURE: VM/ MR.	BN/A LM25 4 DEG C	EA 1966 //
NOSS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 PP ME &LS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CD, CR, CD, CR, CD, PB, NG, NI, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9. DC: 3 bottles EA: # bottles SIGNATURE:	MAAM LNOS 4 DEG C DNT LW23 4 DEG C	DC \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
PP ME ALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 3 bottles EA: 1 bottle SIGNATURE:	H	# ===/==/==/===
PP ME ALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 3 bottles EA: 1 bottle SIGNATURE:		u
PP ME ALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, NG, NI, SB, SE, TL, ZN. TCLP METALS: CD, CR, NG, PB. JS12, 40 CFR 261.24 DC: 3 bottles EA: 1 bottle SIGNATURE:		
TCLP METALS: CD, CR, NG, PB. JS12, 40 CFR 261.24 DC: 3 bottles EA: # bottle SIGNATURE:	(LOCATION SKETCH)	J/NA LM20
DC: 3 bottles EA: # bottle SIGNATURE: VM/MR	JS12, 89, J	, CD, CR ,CU, PB, HG, NI, SB, SE, TL, ZN. ID21, JD20, Y9.
EA: # bottle	TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24	
EA: # bottle	DC: 2 1 11	
SIGNATURE: VM/MR	DL. 3 BOTTLES	
	CH. I LOTTLE	
RECEIVED BY: Nancy E. Kotia		
		RECEIVED BY: Namey E. Kora

·			
B ENVIRONMENTAL SERVICES, INC			
ELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER RAIS 32000 SAMPLING 325			
PROJECT USATHAMA-BAAP SITE TYPE DICT			
TE ID RIP S - 91 - 32 JOB NUMBER 6853-04 FILE NAME CSO			
LOCATION PROGRAM C WEATHER Cloudy, "SO'S			
TIVITY START: 1600 END: 1605			
SEDIMENT DATA			
DEPTH OF THE PERSON OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED			
SAND TULIP BULB PLANTER POTABLE WATER WITH			
f 'PE OF SAMPLE ☑ DISCRETE ☑ SILT ☑ ALUMINUM PAN ☐ OTHER			
LLECTED COMPOSITE GRAVEL PLASTIC SCOOP OTHER			
SAMPLE OBSERVATIONS QOOR AMBIENT SAMPLE			
COLORED AIR PPH LOCATION PPH UNITS			
ANALYTICAL PARAMETERS			
METHOD PRESERVATION VOLUME SAMPLE NUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS			
PP METALS (SPECIFIED BELOW) 4 DEG C//			
AL JS12 4 DEG C//			
NA 4 DEG C 4 DEG C			
CR 4 DEG C			
TPB JD21 4 DEG C J J J J J J J J J J J J J J J J J J			
1T KF17 4 DEG C/			
SO4 KT07 4 DEG C//			
TOC USEPA CE-81-1 4 DEG C			
VOC			
NG			
ONT LW23 4 DEG C			
J <u> </u>			
MOS THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26			
*OCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN.			
JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24			
Dc: 1 bottle			
* Resampled for missed hold-time			
· ·			
mcc t = 1			
SIGNATURE: V(V)/ 1 K.			
RECEIVED BY:			

SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE	ABB ENVIRONMENTAL SERVICES, INC FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER PROJECT USATHAMA-BAAP SITE TO SITE ID R PS - 91 - 33 JOS NUMBER LOCATION START: 1410 END: 1415	SER R9133000 SAMPLING DATE 9.18.91 SER 6853-04 WEATHER COUNTY, "40'S
ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE MUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS A DEG C A	SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE 0_5 IN TYPE OF SAMPLE DISCRETE COLLECTED COMPOSITE SAMPLE OBSERVATIONS CODOR JYPE OF SEDIMENT: CLAY SAND SOME SOME CREATE OTHER AMBIENT	EQUIPMENT USED FOR COLLECTION: GRAVITY CORER TULIP BULB PLANTER S.S. HAND SPOON ALUMINUM PAN PLASTIC SCOOP OTHER SAMPLE
(LOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 3	ANALYTICAL PARAMETERS METHOD PRESERVATION METHOD NUMBER METHOD	VOLUME SAMPLE REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS 2005 2006 2006 2008 DC 2009
	PP METALS (PRIORITY POLLUTANT): AG, AS, JS12, BY TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 3 bottles	B/NA LM20 BE, CD, CR ,CU, PB, HG, NI, SB, SE, TL, ZN.

E. C. JORDAN FIELD DATA RECORD - SURFACE VI		FIELD SAMPLING NO. SITE TYPE	SURFACE WATER	FILE NAME	Sunny 1750 CSO
PROJECT USATHAMA - BAAP		JOB HUMBEI	6298-07	SAMPLING DATE	27.SEPG
SITE ID BIPW	19101-1013	LOCATION	ACTIVITY START:	1305 ENO:	1350
SURFACE WATER DATA		TEMPERATURE	12 DEG. C	TYPE OF	[] STREAM
WATER DEPTH 14	5	#	9.0. UNITS	SURFACE WATER	[] RIVER [] OTHER
PRON TOP OF WATER	2			DECONTAMENATION FLUIDS USED	[] NOME [] POTABLE WATER
EQUIPMENT USED [] NOME, GR FOR COLLECTION [] OTHER	LAS INTO SOTTLE	PEC. COMP.	75 ushos	SAMPLE LOCATION SKETCH BELOW	[4 7ES [] NO
AMBIENT AIR VOA	PPH SAMPLE	LOCATION AIR VOA	PPH	<u> </u>	
TEMPERATURE PROFILE					
DEPTH OF MEASUREMENT		<i>P</i> 7.	EMPERATURE	/8 DEG. C	
DEPTH OF MEASUREMENT	7. 5	∫ я. п	EMPERATURE	/6 D€G. C	
DEPTH OF HEASUREHENT	1.3	FT. 11	EMERATURE	12 DEG. C	
(LIF REQUIRED AT THIS LOCA AMALYTICAL PARAMETER/METHO		PRESERVATION METHOD	1 BoHle Size		WPLE SOTTLE ID'S
ELY CALCIUM ELY ALLMENUM	su 	HMG3 <2 HMG3 <2)		
INON LEAD LAC LAC MAGNESIUM		18103 <2 18103 <2 18103 <2	500ml		=/;===
		1003 <2		t i	
CY SODIUM	·	mas 42 .	ر	[]	/
CY SOLUM CY NARDNESS CI CHLORIDE DD CY ALKALINITY CY SULFATE, Chloride			500 ml	[] [] [] [] []	
CY SCOTUM CY NARDNESS CI CHARACTE DD CY SULFATE, Chloride LM NITRATE & NITRITE	Su	MIGS <2 4-026- C D 4-026- C 4-026- C M2304	500 ml 125 ml 125 ml	ा अ ध्य ध्य ध्य	
CY SCOTUM CY NARDNESS CI CHARACTE DD CY SULFATE, Chloride LM NITRATE & NITRITE	-	MIGS <2 4-026- C D 4-026- C 4-026- C M2304	500 ml 125 ml 125 ml	ा अ ध्य ध्य ध्य	
CY SCOTUM CY NARDNESS CI CHARACTE DD CY SULFATE, Chloride LM NITRATE & NITRITE	-	MIGS <2 4-026- C D 4-026- C 4-026- C M2304	500 ml 125 ml 125 ml	ा अ ध्य ध्य ध्य	
CY SCOTUM CY NARDHESS CI CHLORIBE DD CY SULFATE, Chloride LM NITRATE & NITRITE	-	MIGS <2 4-026- C D 4-026- C 4-026- C M2304	500 ml 125 ml 125 ml	ा अ ध्य ध्य ध्य	
CY SCOTUM CY NARDNESS CI CHARACTE DD CY SULFATE, Chloride LM NITRATE & NITRITE	-	thed #s for bottom.	5cc ml 125 ml 125 ml c analys	ा अ ध्य ध्य ध्य	
CY SCOTUM CY NARDNESS CI CHARACTE DD CY SULFATE, Chloride LM NITRATE & NITRITE	-	Hose c b 4 DEG. C 4 DEG. C 12304 2 thod #'s for Last digitation bottom.	500 ml 125 ml 125 ml	ा अ ध्य ध्य ध्य	
CY SCOTUM CY NARDNESS CI CHARACTE DD CY SULFATE, Chloride LM NITRATE & NITRITE	-	Hose c b 4 DEG. C 4 DEG. C 12304 2 thod #'s for Last digitation bottom.	or analys.	ा अ ध्य ध्य ध्य	
CY SCOTUM CY NARDNESS CI CHARACTE DD CY SULFATE, Chloride LM NITRATE & NITRITE	-	Hose c b 4 DEG. C 4 DEG. C 12304 2 thod #'s for Last digitation bottom.	or analys.	ा अ ध्य ध्य ध्य	
CY SCOTUM CY NARDNESS CI CHARACTE DD CY SULFATE, Chloride LM NITRATE & NITRITE	-	Hose c b 4 DEG. C 4 DEG. C 12304 2 thod #'s for Last digitation bottom.	or analys.	ा अ ध्य ध्य ध्य	

ABB ENVIRONMENTAL SERVICES, INC	PAGE 9 OF 25
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER	SAMPLING DATE 9.72.91
PROJECT USATHAMA-BAAP SITE TYPE	BUGR
SITE 10 BBS-91-01 JOB HUMBER	6853-04 CSO
LOCATION START: 1235 END: 1240	c breezy
12,55	
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE 1-6 IN CLAY SAMD ORGANIC STLT COLLECTED COMPOSITE GRAVEL	EQUIPMENT USED FOR COLLECTION: GRAVITY CORER TULIP BULB PLANTER S.S. HAND SPOON ALUNINUM PAN PLASTIC SCOOP DECONTAMINATION FLUIDS USED POTABLE WATER HIGH PRESSURE OTHER
SAMPLE OBSERVATIONS COLORED ACK STOWN AIR O. O	PPH LOCATION O.O PPH PH - UNITS
ANALYTICAL PARAMETERS	
MANRER METHOD REGA	LUME SAMPLE UIRED COLLECTED SAMPLE BOTTLE ID NUMBERS 553 / / /
PP METALS (SPECIFIED BELOW) AL CA CA ADEG C	
TCLP METALS (SPECIFIED BELOW) NIT KF17 DEG C KF07 DEG C	DC \ \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \
NH3N2 USEPA 350.2 4 DEG C TOC USEPA CE-81-1 4 DEG C	DC (
Uph Su846 METHOD 9045 4 DEG C ■ YOC LM23 4 DEG C ■ MAC LM25 4 DEG C	554 557
NG LW27 4 DEG C NAM LNOS 4 DEG C DNT LW23 4 DEG C	
ONT LW23 4 DEG C	<u> </u>
T .	
NOS * THESE ARE DATACHEM METHODS. EA METHODS: VC (LOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE,	/NA LM20
JS12, 89, JC	21, 1020, 79.
JS12, 40 CFR 261.24	
DC: 4 bottles	
•	1
	SIGNATURE: VM/MR
	RECEIVED BY: Mancy E. Roka

J

ABB ENVIRONMENTAL SERVICES, INC	PAGE 14 OF 14
D DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER	R9116000 2000 100 2000
PROJECT USATHAMA-BAAP SITE TYPE	DTCH SAMELING DATE 4.11.41
31TE 10 RPS-91-16 JOB NUMBER	6853-04 FILE NAME CSO
LOCATION START: 1415 END: 1425	C WEATHER Cloudy, 60's
SEDIMENT DATA DEPTH OF SEDIMENT: SEDIMENT SAMPLE IN CLAY SAMD ORGANIC	EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED GRAVITY CORER POTABLE WATER TULIP BULB PLANTER POTABLE WATER WITH
TYPE OF SAMPLE DISCRETE SILT COLLECTED COMPOSITE OTHER	S.S. HAND SPOON ALUMINUM PAN PLASTIC SCOOP OTHER OTHER
SAMPLE OBSERVATIONS COLORED AMBIENT AIR	PPM LOCATION — PPM PH UNITS
· · · · · · · · · · · · · · · · · · ·	lume sample label
PP METALS (SPECIFIED BELOW)	DC SAMPLE SOMME 1D NUMBERS 1651 1652 1653 1653 1655 1655
PP METALS (PRIORITY POLLUTANT): AG, AS, BE,	OC LM17, LM26 /NA LM20 CD, CR ,CU, PB, HG, NI, SB, SE, TL, ZN. D21, JD20, Y9.
DC=3 bottles EA=1 bottle	
	SIGNATURE: VM/NR
	RECEIVED BY: Wancy E. Roka

n transferience en generale en en gelegte groter groter en et generale de de groter transferience groter. Transferience

ABB ENVIRONMENTAL SERVICES, INC 19 PAGE 1 of 20
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING MUMBER REST 17000 SAMPLING DATE 9134
PROJECT USATHAMA-BAAP SITE TYPE DTCH FILE NAME CSO
SITE ID RPS-91-17 JOB NUMBER 6853-04 WEATHER SUDDY, "50'S
LOCATION START: ()825 END: 0835
SEDIMENT DATA
DEPTH OF SEDIMENT SAMPLE O-4 IN CLAY CRAVITY CORER POTABLE WATER WITH O'SAND TULIP BULB PLANTER POTABLE WATER WITH HIGH PRESSURE
TYPE OF SAMPLE DISCRETE SILT ALUMINUM PAN OTHER GRAVEL PLASTIC SCOOP OTHER OTHER
SAMPLE OBSERVATIONS COLORED MRG DIGUIN AIR O.O PPM LOCATION C.O PPM PH UNITS
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE Cabel
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
SIGNATURE: VM/M2 RECEIVED BY: Wancy E. Rota

•

J

7.4

455 511115011151111111111111111111111111	2 20
ABB ENVIRONMENTAL SERVICES, INC	PAGE 2 OF 20
D DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER R	9 1 8 0 0 0 SAMPLING DATE 9.18.91
	FILE NAME CSO
	WEATHER SUNNY, 550'S
ACTIVITY START: 0840 END: 0850	windy
SEDIMENT SAMPLE 0-5 IN SAND TO ORGANIC S.S. TYPE OF SAMPLE UDISCRETE SILT DAIL COLLECTED COMPOSITE GRAVEL	PMENT USED FOR COLLECTION: RAVITY CORER JULIP BULB PLANTER S. HAND SPOON LUMINUM PAN LASTIC SCOOP THER
SAMPLE OBSERVATIONS COLORED AK DOWN AIR C.O PI	PM LOCATION O.O PPM PH UNITS
ANALYTICAL PARAMETERS	SAMPLE label
Mag Mag	TAGO IAGO
* THESE ARE DATACHEM METHODS. EA METHODS: VOC L B/MA L PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, C JS12, B9, JD21, TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24	CR_,CU, PB, HG, NI, SB, SE, TL, ZN.
	SIGNATURE: VM/IM
	RECEIVED BY: Namey E. Roka
	J

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER R9 11 9000
PROJECT USATHAMA-BAAP SITE TYPE DTCH
SITE 10 RPS - 91 - 19 JOB NUMBER 6853-04 WEATHER SURRY, "50%5
LOCATION ACTIVITY START: 0855 END: 0905
SEDIMENT DATA
DEPTH OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED GRAVITY CORER POTABLE WATER FOR SAND TULIP BULB PLANTER POTABLE WATER WITH CORP. TYPE OF SAMPLE DISCRETE SILT FOSHUL ALUMINUM PAN GIVER
COLLECTED COMPOSITE GRAVEL PLASTIC SCOOP OTHER
SAMPL OBSERVATIONS COLORED AMBIENT O.O PPN LOCATION C.O PPN PN UNITS
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE Cabel
* THESE ARE DATACHEM METHODS: EA METHODS: VOC LM17, LM26 **S/MA LM20 **PP METALS (PRIORITY POLLUTANT): AG. AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. **JS12, 89, JD21, JD20, Y9.** **THESE ARE DATACHEM METHODS: EA METHODS: VOC LM17, LM26 **S/MA LM20 **PP METALS (PRIORITY POLLUTANT): AG. AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. **JS12, 40 CFR 261.24* **DC: 4 bottles **THESE ARE DATACHEM METHODS: EA METHODS: VOC LM17, LM26 **S/MA LM20 **PP METALS (PRIORITY POLLUTANT): AG. AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. **JS12, 40 CFR 261.24* **DC: 4 bottles **THESE ARE DATACHEM METHODS: EA METHODS: VOC LM17, LM26 **S/MA LM20 **PP METALS (PRIORITY POLLUTANT): AG. AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. **JS12, 40 CFR 261.24* **DC: 4 bottles **DC: 4 bottles **THESE ARE DATACHEM METHODS: EA METHODS: VOC LM17, LM26 **S/MA LM20 **PP METALS (PRIORITY POLLUTANT): AG. AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. **JS12, 40 CFR 261.24* **DC: 4 bottles **DC: 4 bottles **DC: 4 bottles **PRIORITY POLLUTANT): AG. AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. **JS12, 40 CFR 261.24* **DC: 4 bottles **DC: 4 b
SIGNATURE: YM/ME RECEIVED BY: Wancy E. Robe.

ABB ENVIRONMENTAL SERVICES, INC	PAGE 4 OF 20
DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER	R9120000 SAMPLING DATE 9.18.91
PROSECT USATHAMA-BAAP SITE TYPE	DTCH FILE NAME CSO
SITE 10 R P S - 9 1 - 20 JOB NUMBER	WEATHER SULMAY, "50'S
ACTIVITY START: 0905 END: 0915	winxy
SEDIMENT DATA	
DEPTH OF SEDIMENT: SEDIMENT SAMPLE 0-6 IN TYPE OF SEDIMENT:	EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED GRAVITY CORER POTABLE WATER WITH
TYPE OF SAMPLE UDISCRETE SILT	TULIP BULB PLANTER LI POTABLE WATER WITH S.S. HAND SPOON HIGH PRESSURE ALUMINUM PAN COTHER
COLLECTED COMPOSITE GRAVEL OTHER	PLASTIC SCOOP OTHER
SAMPLE OBSERVATIONS ODOR AMBIENT	SAMPLE
COLORED AIR O.O	PPM LOCATION O, O PPM pH UNITS
	OLUME SAMPLE (abel
PP METALS (SPECIFIED BELOW) 4 DEG C	EQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS
AL	H ====/===/===
MCD 4 DEG C	
1	DC \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
TCLP METALS (SPECIFIED BELOW) 4 DEG C	DC \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
KT07 4 DEG C USEPA 350.2 4 DEG C	
USEPA CE-81-1 4 DEG C SW846 METHOD 9045 4 DEG C	
_\/YOC	@et. 1735//
UNG LN27 4 DEG C UNAM LNOS 4 DEG C	oc \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
HAM LNOS 4 DEG C DINT LW23 4 DEG C	(
и	H/
NOS * THESE ARE DATACHEM METHODS. EA METHODS:	VOC LM17, LM26
:LOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE	
TCLP METALS: CD, CR, HG, PB.	JD21, JD20, Y9.
JS12, 40 CFR 261.24	
DC: 4 bottles	
En + bottom (MP)	
	SIGNATURE: VM/MC
	BECEIVED BY: Manay E Rona

ABB ENVIRONMENTAL SERVICES, INC	PAGE
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER	R9121000 SAMPLING DATE 3.12.91
PROJECT USATHAMA-BAAP SITE TYPE	DTCH SAMPLING DATE 9.18.91
SITE ID RPS-91-21 JOB NUMBER	6853-04 WEATHER Prt. Sunny "50's
ACTIVITY START: 0920 END: 0930 PROGRAM	windy
	J
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE	GRAVITY CORER TULIP BULB PLANTER S.S. HAND SPOON ALUMINUM PAN PLASTIC SCOOP OTHER DECONTAMINATION FLUIDS USED POTABLE WATER HIGH PRESSURE OTHER
SAMPLE OBSERVATIONS ODOR AMBIENT C. C.	PPH LOCATION O, C PPH PH UNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION VOL	.ume sample label
	DC SAMPLE BOTTHE ID NUMBERS 1753 DC 1755 1756 1758
PP METALS (PRIORITY POLLUTANT): AG, AS, BE,	/NA LM20
	RECEIVED BY: A Namey E. Roka
	RECEIVED BY: AVIMOU E. KUTCH

ABB ENVIRONMENTAL SERVICES, INC	PAGE 10 OF 25
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9 10200	(0.32.2)
PROJECT USATHAMA-BAAP SITE TYPE BUGR SAMPLING D	
SITE 10 P. R. S 9 1 - 02 JOB NUMBER 6853-04	
WEAT PROCESSES	£100001, 303
ACTIVITY START: 1250 END: 1255	breezy
SEDIMENT DATA	
	ECONTAMINATION FLUIDS USED
SAND Trace TULIP BULB PLANTER LY ORGANIC S.S. HAND SPOON	POTABLE WATER POTABLE WATER WITH HIGH PRESSURE
TYPE OF SAMPLE MDISCRETE MISILT MALUMINUM PAN	OTHER
COLLECTED COMPOSITE GRAVEL PLASTIC SCOOP OTHER	
SAMPLE OBSERVATIONS ODOR AMBIENT SAMPLE]
COLORED ATE DOWN AIR O. D PPM LOCATION O. C PPM	DH UNITS
ANALYTICAL PARAMETERS	
	LE ID NUMBERS
PP METALS (SPECIFIED BELOW) 4 DEG C 562 JS12 4 DEG C	//
CA	
DEG C 4 DEG C	
HG Y9 4 DEG C	
TCLP METALS (SPECIFIED BELOW) 4 DEG C	
NIT KF17 4 DEG C DC	
USEPA 350.2 4 DEG C USEPA CE-81-1 4 DEG C	<u></u> ',',
Del	
BN/A	
DNT LW23 4 DEG C 564	
l <u> </u>	 /,
· ·	
NOS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 LOCATION SKETCH) 8/MA LM20	
PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR ,CU, PB, HG, NI, SB, SE, TL,	ZN.
JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB.	
JS12, 40 CFR 261.24	
DC: 4 bothles	
I	
SIGNATURE: VM/ME	
	E. Rofta
RECEIVED BY: Warry	C. 14577a

ADD ENVIDONMENTAL CEDVICES IN	25
ABB ENVIRONMENTAL SERVICES, IN FIELD DATA RECORD - SEDIMENT FIELD SAMPLING N	
ا	HUMBER P9103000 SAMPLING DATE 9.22.91
	IUMBER 6853-04
LOCATION	ROGRAM C WEATHER Cloudy, "50"5
ACTIVITY START: 1300 END: 1305	too oresty
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE 1-6 IN	TI: EQUIPMENT USED FOR COLLECTION: GRAVITY CORER TULIP BULB PLANTER S.S. HAND SPOON ALUMINUM PAN PLASTIC SCOOP OTHER SAMPLE O. O PPM LOCATION O PPM PH UNITS
ANALYTICAL PARAMETERS	
METHOD PRESERVATION NUMBER METHOD NUMBER METHOD	VOLUME SAMPLE REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS TO TO THE PROPERTY OF THE PROPERTY
	HODS: VOC LM17, LM26 B/NA LM20 S, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. B9, JD21, JD20, Y9.
	SIGNATURE: VM/NR
	RECEIVED BY: I Name E. Rota

BB ENVIRONMENTAL SERVICES, INC	PAGE 12 OF 25
-IELD DATA RECORD - SEDIMENT FIELD SAMPLING NU	MBER P9104000 SAMPLING DATE 9.22.91
PROJECT USATHAMA-BAAP SITE	
11TE 10 PBS-91-04 JOB NU	MBER 6853-04
LOCATION START: (310 END: 1315	GRAM C Dreezy
SEDIMENT DATA	
DEPTH OF SEDIMENT SAMPLE 1-6 IN TYPE OF SEDIMENT CLAY SAND SOME	EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED GRAVITY CORER POTABLE WATER WITH
TYPE OF SAMPLE DISCRETE SILT COLLECTED COMPOSITE GRAVEL OTHER	S.S. HAND SPOON HIGH PRESSURE ALUMINUM PAN OTHER PLASTIC SCOOP OTHER
SAMPLE OBSERVATIONS COLORED AMBIENT AIR	OO PPM SAMPLE LOCATION OOO PPM PM UNITS
NALYTICAL PARAMETERS	
METHOD PRESERVATION NUMBER METHOD 4 DEG C AL JS12 4 DEG C	VOLUME SAMPLE REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS
HCA 1 4 DEG C	
i Han 4 DEG C	[
CR 4 DEG C 4	
TCLP METALS (SPECIFIED BELOW) 4 DEG C	
S04 KT07 4 DEG C	Dc <
TOC USEPA CE-81-1 4 DEG C DH SU846 METHOD 9045 4 DEG C	
NHSN2	572 575 /
HIG LW27 4 DEG C	
J LAAM LNOS 4 DEG C LW23 4 DEG C	575
	///
NOS * THESE ARE DATACHEM METHODS. EA METHOD LOCATION SKETCH)	. •
PP METALS (PRIORITY POLLUTANT): AG, AS,	B/NA LM20 , BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN.
TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24	39, JD21, JD20, Y9.
DC: 4 bottles	
1	
	SIGNATURE: VM / ME
	RECEIVED BY: 1/10 MC/4 E. ROPO

.

ABB ENVIRONMENTAL SERVICES, INC FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER F710500
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER (FIGURE 10)
SAMPLING DATE (1, 2) (1)
PROJECT USATHAMA-BAAP STIE TYPE SUGIK FILE NAME CSO
SITE ID PBS - 91-05 JOB NUMBER 6853-04 WEATHER COUNTY, SOS
ACTIVITY START: 1325 END: 1330
SEDIMENT DATA DEPTH OF SEDIMENT: SEDIMENT: SEDIMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED GRAVITY CORER TYPE OF SAMPLE DISCRETE COLLECTED COMPOSITE SAMPLE OBSERVATIONS COOR SAMPLE OBSERVATIONS COOR AMBIENT O, O PPM LOCATION O, O PPM PM UNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION WOLUME SAMPLE
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24

RECEIVED BY: Warry E. Roko

BB ENVIRONMENTAL SERVICES, INC
TIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9 (016000) SAMPLING DATE 3.27.31
PROJECT USATHAMA-BAAP SITE TYPE RUGE
SITE ID PBS-91-06 JOB NUMBER 6853-04 WEATHER COULDY, "50"
ACTIVITY START: 1340 END: 1345
SEDIMENT DATA DEPTH OF SEDIMENT: SEQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED GRAVITY CORER SAND TULIP BULB PLANTER POTABLE WATER WITH ORGANIC TYPE OF SAMPLE DISCRETE TYPE OF SAMPLE DISCRETE SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED FOR CO
COLLECTED LI COMPOSITE LI GRAVEL LI PLASTIC SCOOP OTHER TO CKU OTHER
SAMPLE OBSERVATIONS OCCUPANT ON AND SAMPLE COLORED AIR O.O PPM LOCATION O.3 PPM PH - UNITS
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE METHOD NUMBER METHOD REQUIRED COLLECTED A DEG C A DEG C A DEG C A DEG C A DEG C A DEG C A DEG C A DEG C A DEG C A DEG C A DEG C A DEG C A DEG C A DEG C A DEG C A DEG C B DEC C
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 BYNA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: Unitles SIGNATURE: VM/MR RECEIVED BY: LNO MCLIE. Rafka.

.

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9 10 7000 SAMPLING DATE 9 22 91
PROJECT USATHAMA-BAAP SITE TYPE BIGGR
SITE 10 P R S - 9 1 - 0 7 JOB NUMBER 6853-04
LOCATION START: 1350 END: 1355 PROGRAM C DESCRIPTION START: 1350 END: 1355
SEDIMENT DATA DEPTH OF SEDIMENT: SAMPLE
SAMPLE OBSERVATIONS COLORED AND LOCATION O.O PPM PH UNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE intel
METHOD PRESERVATION VOLUME SAMPLE TOUGHT
NOS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN.
JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
DC: 4 bottles
SIGNATURE: VM / MR_
RECEIVED BY: Wancy E. Roka

BB ENVIRONMENTAL SERVICES, INC	PAGE 16 OF 25	
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER		
PROJECT USATHAMA-BAAP SITE TYPE	BUGR FILE NAME CSO	
SITE ID PBS-91-08 JOB NUMBER		
ACTIVITY START: 1400 END: 1405	breezy	
SEDIMENT DATA DEPTH OF SEDIMENT: SEDIMENT SAMPLE [-4 IN CLAY SAND COMPOSITE COLLECTED COMPOSITE COLLECTED COMPOSITE COLLECTED COMPOSITE COMPOSIT	EQUIPMENT USED FOR COLLECTION: GRAVITY CORER TULIP BULB PLANTER S.S. HAND SPOON ALUMINUM PAN PLASTIC SCOOP OTHER SAMPLE	
SAMPLE OBSERVATIONS COLORED AMBIENT O. O		
	FOLUME SAMPLE SAMPLE BOTTLE ID NUMSERS STR STR STR STR STR STR STR	
NOSS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, HI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 4 bottles		
	SIGNATURE: VM/ML RECEIVED BY: UNAMOU E. ROFIA	
l	RECEIVED BY: UNCOYNCY E. ROYCL	

ABB ENVIRONMENTAL SERVICES, INC		
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER F910900 SAMPLING DATE 9229		
PROJECT USATHAMA-BAAP SITE TYPE BUGR FILE NAME CSO		
SITE 10 PBS-91-09 JOB NUMBER 6853-04 WEATHER COLDUM, "50 5		
LOCATION START: 1415 END: 1420 PROGRAM C DIFEEZY		
SEDIMENT DATA DEPTH CF SEDIMENT SAMPLE		
COLORED AIR C.O PPH LOCATION O.O PPH PH UNITS		
ANALYTICAL PARAMETERS METHOD PRESERVATION NOLUME SAMPLE METHOD REGUIRED COLLECTED COLLECTED AL JS12 4 DEG C CA 4 DEG C CA 4 DEG C CR		
NOSS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: U DOTTO:		
SIGNATURE: VM/NR RECEIVED BY: Wancu E. Rora		

J

·		
BB ENVIRONMENTAL SERVICES, INC		
ELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER F91100000 SAMPLING DATE 922.71		
PROJECT USATHAMA-BAAP SITE TYPE BUGE FILE NAME CSO		
SITE ID P B S - 9 1 - 1 C JOB NUMBER 6853-04 WEATHER CICLOTU, "SO'S		
ACTIVITY START: 1425 END: 1430		
SEDIMENT DATA DEPTH OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED SEDIMENT SAMPLE (-3 IN CLAY GRAVITY CORER SAMD TULIP BULB PLANTER POTABLE WATER WITH ORGANIC S.S. HAND SPOON HIGH PRESSURE TYPE OF SAMPLE DISCRETE COLLECTED COMPOSITE SAMPLE OBSERVATIONS COOR AMBIENT CO. O PPH LOCATION O. O PPH PH — UNITS NALYTICAL PARAMETERS		
NETHOD PRESERVATION VOLUME SAMPLE		
NOS: * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: + Doff (24)		
SIGNATURE: VM/MR RECEIVED BY: Wamau E. Rotta.		

ABB ENVIRONMENTAL SERVICES, INC		
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9111000 SAMPLING DATE 9.22 91		
PROJECT USATHAMA-BAAP SITE TYPE BUGR FILE NAME CSO		
SITE 10 PBS-91-11 JOB NUMBER 6853-04 WEATHER CICUITY, "50'S		
ACTIVITY START: 1435 END: 1440 PROGRAM C breezy		
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE		
### SWA METHOD PRESERVATION VOLUME SAMPLE NUMBERS NETHOD REQUIRED COLLECTED SAMPLE BOTTLE 1D NUMBERS NETHOD REQUIRED COLLECTED SAMPLE BOTTLE 1D NUMBERS OF COLLECTED SAMPLE BOTTLE 1D NU		
NOS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, N1, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24		
DC; 4 300 404		
DC: 4 jottles -TIP failed		
SIGNATURE: VM/MZ		
RECEIVED BY: Wancy E. Roka		

BB ENVIRONMENTAL SERVICES, INC		
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9112000 SAMPLING DATE 233 51		
PROJECT USATHAMA-BAAP SITE TYPE BUGR		
SITE ID PBS-91-12 JOB NUMBER 6853-04 FILE NAME CSO		
LOCATION START: 1410 END: 1445 PROGRAM C BEATHER CLOUDY, 50's		
SEDIMENT DATA DEPTH OF SEDIMENT: SAMPLE -6 IN IVPE OF SEDIMENT: CLAY CLAY CLAY CLAY CORGANIC COLLECTION: DECONTAMINATION FLUIDS USED COLLECTED COMPOSITE COLLECTED COMPOSITE COLLECTED COMPOSITE COLLECTED COMPOSITE COLLECTED COMPOSITE COLLECTED COMPOSITE COLLECTED COMPOSITE COLLECTED COMPOSITE COLLECTED COMPOSITE COLLECTED COMPOSITE COLLECTED COMPOSITE COLLECTED COMPOSITE COLLECTED COMPOSITE COLLECTION: DECONTAMINATION FLUIDS USED COLLECTION: DECONTAMINATION FLUIDS USED COLLECTION: DECONTAMINATION FLUIDS USED CLAY CL		
COLORED AIR PPM LOCATION — PPM PH UNITS		
, ANALYTICAL PARAMETERS		
METHOD PRESERVATION VOLUME SAMPLE SAMPLE BOTTLE ID NUMBERS		
NOSS LOCATION SKETCH) * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 4 bottles Tip Falled		
SIGNATURE: VM/MC		

The second of the second of the second of

ABB ENVIRONMENTAL SERVICES, INC		
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER PRILIS COO		
PROJECT USATHAMA-BAAP SITE TYPE BUCK		
SITE ID PSS - 91 - 13 JOB NUMBER 6853-04 WEATHER COULDY SOS		
ACTIVITY START: 1455 END: 1500 PROGRAM C		
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE LUI IN CLAY SAND TYPE OF SAMPLE COLLECTED TYPE OF SAMPLE COLLECTED TYPE OF SAMPLE COLLECTED TYPE OF SAMPLE COLLECTED TYPE OF SAMPLE COLLECTED TYPE OF SAMPLE COLLECTED TYPE OF SEDIMENT: CRAVITY CORER TULIP BULB PLANTER S.S. HAND SPOON ALUMINUM PAN HIGH PRESSURE OTHER OTHER TYPE OF SEDIMENT: COLLECTION: POTABLE WATER WITH HIGH PRESSURE OTHER OTHER		
SAMPLE OBSERVATIONS ODOR AMBIENT AIR PPH LOCATION PPH PH UNITS		
### ANALYTICAL PARAMETERS METHOD PRESERVATION WILDING METHOD MUMBER METHOD METHOD MUMBER METHOD MET		
NOSS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: H JOHLA Tip fauld		
SIGNATURE: VM/MR RECEIVED BY: Wancy E. Roka		

()

B ENVIRONMENTAL SERVICES, INC
TELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER POIL - COO
PROJECT USATHAMA-BAAP SITE TYPE BUGB
ITE ID PAS-91-1H JOB NUMBER 6853-04
LOCATION PROGRAM C
CTIVITY START: 1505 END: 1510
SEDIMENT DATA DEPTH OF IYPE OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED
SEDIMENT SAMPLE 1 L L IN CLAY COPER MPOTARIE MATER
ORGANIC S.S. HAND SPOON HIGH PRESSURE
OTHEROTHER
SAMPLE OBSERVATIONS COLORED AMBIENT SAMPLE SAMPLE COLORED OF AIR PPM LOCATION PPM PM UNITS
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE NUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS APP METALS (SPECIFIED BELOW) 4 DEG C 4 DEG C 4 DEG C
APP METALS (SPECIFIED BELOW) 4 DEG C ACTUAL 4 DEG C 4 DEG C 4 DEG C
☐ CA 4 DEG C ☐
4 DEG C
CR
LIPB JD21 4 DEG C / L / / / / / / / / / / / / / / / / /
KF17 4 DEG C DC \
UNH3N2 USEPA 350.2 4 DEG C
VOC LM23 4 DEG C
NG LW27 4 DEG C
YONT LW23 4 DEG C
NOS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 .OCATION SKETCH) B/NA LM20
PP METALS (PRIORITY POLLUTANT): AG, AS, 8E, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9.
TCLP METALS: UD, CR, HG, PB. JS12, 40 CFR 261.24
DC: 4 bottles TIP failed
TIP failed
•
SIGNATURE: VM/MC
RECEIVED BY: Warry F. Roka

ز

ABB ENVIRONMENTAL SERVICES, INC		
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER F9115000 SAMPLING DATE 9229		
PROJECT USATHAMA-BAAP SITE TYPE BUGR		
SITE ID FBS-91-15 JOB NUMBER 6853-04 WEATHER (Loudy,		
LOCATION START: 1515 END: (520 PROGRAM C		
SEDIMENT DATA DEPTH OF SEDIMENT: SEDIMENT: SEDIMENT: SEDIMENT: SEDIMENT: SEDIMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED GRAVITY CORER CLAY GRAVITY CORER TYPE OF SAMPLE DISCRETE COLLECTED COMPOSITE TYPE OF SEDIMENT: FOUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED TO THE POTABLE WATER WITH POTABLE WATER WA		
SAMPLE OBSERVATIONS COLORED AMBIENT SAMPLE LOCATION PPM PH UNITS		
ANALYTICAL PARAMETERS		
METHOD PRESERVATION VOLUME SAMPLE METHOD PRESERVATION METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 50 4 DEG C 50 4 DEG C 50 4 DEG C 50 4 DEG C 50 4 DEG C 50 4 DEG C 50 50 6 MIT 6 MIT 6 MIT 6 MIT 6 MIT 6 MIT 6 MIT 7 M		
NOSE (LOCATION SKETCH) * THESE ARE DATACHEM METHODS. EA METHODS: VOC B/NA LM20 PP METALS (PRIGRITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 4 bottles Tip failed		
SIGNATURE: VM/MZ RECEIVED BY: Wancy E. Rotea		

· • •

: ·

BB ENVIRONMENTAL SERVICES, INC		
TELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P91 (0800) SAMPLING DATE 9.22 91		
PROJECT USATHAMA-BAAP SITE TYPE BUGK FILE NAME CSO		
SITE ID PBS-91-108 JOB NUMBER 6853-04 WEATHER TOLINY, "50'S		
LOCATION START: 1550 END: 1600 PROGRAM C		
SEDIMENT DATA DEPTH OF SEDIMENT: SAMPLE [-5 IN CLAY GRAVITY CORER POTABLE WATER WITH POTABLE WATER WITH HIGH PRESSURE COLLECTED COMPOSITE GRAVEL OTHER OTHER SAMPLE OBSERVATIONS GOOR AMBIENT SAMPLE		
COLORED AIR PPM LOCATION PPM DH UNITS		
ANALYTICAL PARAMETERS METHOD PRESERVATION NETHOD REQUIRED COLLECTED COLLECTED		
NOS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 4 bottles Tip fauled		
SIGNATURE: VM/MR RECEIVED BY: Wanny E. Roka		

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9110903 SAMPLING DATE 9.23.91
PROJECT USATHAMA-BAAP SITE TYPE BUGR FILE NAME CSO
SITE 10 PBS - 91 - 109 JOB NUMBER 6853-04 WEATHER SUDDY, 340'S
LOCATION ACTIVITY START: 0820 END: 0830
SEDIMENT DATA DEPTH OF
SEDIMENT SAMPLE 3-35' 😝 🔲 CLAY 🔲 GRAVITY CORER 💹 POTABLE MATER
ORGANIC S.S. HAND SPOON HIGH PRESSURE
COLLECTED COMPOSITE GRAVEL PLASTIC SCOOP OTHER OTHER DOTHER DOTHER
SAMPLE OBSERVATIONS COOR AMBIENT C.C PPM LOCATION O.O PPM PH - UNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE
NUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS MPP METALS (SPECIFIED BELOW) 4 DEG C M 61 / / / / / / / / / / / / / / / / / /
JAL JS12 4 DEG C
4 DEG C
CR
PB JD21 4 DEG C DC GU GU GU GU GU GU GU GU GU GU GU GU GU
NIT KF17 4 DEG C
■ NH3N2 USEPA 350.2 4 DEG C □
DH SW846 METHOD 9045 4 DEG C
BN/A LM25 4 DEG C
NAM LNOS 4 DEG C TO TO TO TO TO TO TO TO TO TO TO TO TO
NOS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26
(LOCATION SKETCH) B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZM-
JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB.
JS12, 40 CFR 261.24
DC: 4 bottles
• in a substant to set though Tarks & do bris
- 4TH + final attempt to get through rocks + debris.
SIGNATURE: VM/MC
RECEIVED BY: Name, E. Rotia

BB ENVIRONMENTAL SEF	RVICES, INC	PAGE 2 OF 15
HELD DATA RECORD - SEDIMENT	FIELD SAMPLING NUMBER P9 1110	
PROJECT USATHAMA-BAAP	SITE TYPE BUGR	SAMPLING DATE 4.23.41
31 TE 10 PBS-91-110	JOB NUMBER 6853-04	MEATHER SUNDY, "HO'S
ACTIVITY START: 0920 END: 094	PROGRAM C	bicery
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE 3-3.5/ TYPE OF SAMPLE DISCRETE COLLECTED COMPOSITE SAMPLE OBSERVATIONS CODOR	TYPE OF SEDIMENT: CLAY SAND ORGANIC SILT GRAVEL OTHER OTHER AMBIENT EQUIPMENT USED FOR GRAVITY CORER TULIP BULB PLANT S.S. HAND SPOON ALUMINUM PAN PLASTIC SCOOP OTHER DOOL OF	POTABLE WATER WITH HIGH PRESSURE OTHER
COLORED	AIR O.O PPH LOCATION	C, O PPH PH UNITS
NALYTICAL PARAMETERS		
PP METALS (SPECIFIED BELOW) AL JS12 CA		SAMPLE BOTTLE ID NUMBERS 661 662 663 665
NCES OCATION SKETCH) * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 4 5011(4) SIGNATURE: VM/M2		
	RECEIVED BY:	The E Deb

J

ABB ENVIRONMENTAL SERVICES, INC	PAGE 3 OF
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER	P9111103 SAMPLING DATE 9.23.91
PROJECT USATHAMA-BAAP SITE TYPE	BUGR FILE NAME CSO
SITE 10 P 8 5 - 9 1 - 1 1 1 JOB NUMBER	6853-04
LOCATION START: 0940 END: COME 1010	c breezy
SEDIMENT DATA DEPTH OF SEDIMENT: SEDIMENT SAMPLE 3-3.5 TYPE OF SEDIMENT: CLAY CRANIC ORGANIC OTHER SAMPLE OBSERVATIONS COLORED / LK DYDUM W AIR TYPICE ORGANIC O.O.	EQUIPMENT USED FOR COLLECTION: GRAVITY CORER TULIP BULB PLANTER S.S. HAND SPOON ALUMINUM PAN PLASTIC, SCOOP OTHER SAMPLE PPM LOCATION O.O PPM DECONTAMINATION FLUIDS USED POTABLE WATER UITH HIGH PRESSURE OTHER OTHER
ANALYTICAL PARAMETERS	
METHOD PRESERVATION VO	DLUME SAMPLE COLLECTED SAMPLE BOTTLE ID NUMBERS 673 674 675
PP METALS (PRIORITY POLLUTANT): AG, AS, BE,	B/NA LM20
	SIGNATURE: VM/MR RECEIVED BY: I NAMULE ROPA
	RECEIVED BY: 1 NOMME E COTTO

BB ENVIRONMENTAL SERVICES, INC
TELD DATA RECORD - SEDIMENT FIELD SAMPLING MUMBER PAIL 1203
PROJECT USATHAMA-BAAP SITE TYPE BUCIC SAMPLING DATE 4.23.41
SITE ID PBS-91-112 JOB NUMBER 6853-04 FILE NAME CSO
LOCATION START: 1010 END: 1020 PROGRAM C WINCLY
SEDIMENT DATA DEPTH OF SEDIMENT: SEDIMENT SAMPLE 3-3.5' SAMPLE CLAY TYPE OF SAMPLE DISCRETE COLLECTED COMPOSITE SAMPLE OBSERVATIONS OCCURRED LIGHT DITOLOGY ALUMINUM PAN POTABLE WATER WITH ALUMINUM PAN PLASTIC SCOOP OTHER DOUGETS AMBIENT OCCURRED LIGHT DITOLOGY AIR O.O PPM LOCATION O.O PPM PH UNITS
COLORED Light troum AIR O.O PPM LOCATION O.O PPM PH UNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE NUMBER NETHOD REGUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS 4 DEG C AL AL ADEG C AD CCR HG ADEG C AD
NOSS (LOCATION SKETCH) THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 2 Dottlea EA: 2 bottlea SIGNATURE: VM/MC
RECEIVED BY: Name E. Rofle
The state of the s

ABB ENVIRONM	MENTAL SERVICE	ES, INC		P	AGE 5 OF
FIELD DATA RECORD	- SEDIMENT FIELD S	AMPLING NUMBER P	9111303	SAMPLING DATE	9.23.91
PROJECT USATHAMA-BAAP	·	SITE TYPE	BUGR	FILE NAME	CSO (1
SITE 10 PBS-911	1-1113	· · · ·	6853-04	WEATHER	Sunny, "Sols
ACTIVITY START: 102	O END: (030	PROGRAM C		L	windy
SEDIMENT DATA			TANGUT HAGE FOR COLUMN		**************************************
	CLA SAN	fine B	IPMENT USED FOR COLLEC' GRAVITY CORER TULIP BULB PLANTER S.S. HAND SPOON		AMINATION FLUIDS USED OTABLE WATER OTABLE WATER WITH HIGH PRESSURE
TYPE OF SAMPLE DISCRI	SITE GRA	VEL D	ALUMINUM PAN PLASTIC SCOOP OTHER <u>hand aug</u> la		THER
SAMPLE OBSERVATIONS	ODORAMBII COLORED_LIGHT STOWN AII	1 🕳	PPH LOCATION O	O PPN	pHUNITS
ANALYTICAL PARAME		ERVATION VOLUME	SAMPLE		
PP METALS (SPECIFIED I AL CA MA CO CR HG PB	NUMBER M BELOW 4 1 JS12 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1	ETHOO REQUIRES DEG C DEG C DEG C DEG C DEG C DEG C DEG C DEG C DEG C DEG C	D COLLECTED (M)	SAMPLE BOTTLE ID	NUMBERS
NIT SO4 NH3N2 TOC DPH	KF17 KT07 4 (USEPA 350.2 4 (USEPA CE-81-1 4 (SW846 METHOD 9045 4 (LM23 4 (DEG C DEG C DEG C DEG C DEG C DEG C DEG C DEG C	£A &	686	
DAY DAM MAM MONT	LW27 4 1 LNO8 4 1	DEG C DEG C DEG C	DC 0 681		
_			<u> </u>	<u> </u>	
NOSS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 2 Fottles EA: 2 Fottles					
				IMI MR	t. Nofa.

BB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P91111403 SAMPLING DATE 9.23.91
PROJECT USATHAMA-BAAP SITE TYPE BUGR FILE NAME CSO
SITE 10 PBS-91-1114 JOB NUMBER 6853-04 WEATHER SURTY 550'S
ACTIVITY START: 1040 END: 1050 PROGRAM C
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE 3-3.5' TYPE OF SAMPLE COLLECTED TYPE OF SAMPLE COMPOSITE TYPE OF SAMPLE COMPOSITE TYPE OF SAMPLE COMPOSITE TYPE OF SAMPLE COMPOSITE TYPE OF SAMPLE COMPOSITE TYPE OF SAMPLE COMPOSITE TYPE OF SAMPLE COMPOSITE TYPE OF SAMPLE COMPOSITE TYPE OF SEDIMENT: FOUIPMENT USED FOR COLLECTION: GRAVITY CORER TULIP BULB PLANTER POTABLE WATER WITH HIGH PRESSURE OTHER OTHER TOTHER
ANALYTICAL PARAMETERS
NETHOD PRESERVATION VOLUME SAMPLE
NOSS :LOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, 89, J021, J020, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 2 bottles Efi: 2 bottles
SIGNATURE: VM/NR RECEIVED BY: Nancy E. Roka.

ABB ENVIRONMENTAL SERVICES, INC	CE 7 OF
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9111503	7.23.91
PROJECT USATHAMA-BAAP SITE TYPE BUGR FILE NAME	CS0
SITE 10 P.Q.C. Q.1 - 1 1 C JOB NUMBER 6853-04	sunny, °50's
ACTIVITY START: 1105 END: 1115	mindi
SEDIMENT SAMPLE 3-3.5 P GRAVITY CORER POT SAMO TULIP BULB PLANTER POT ORGANIC S.S. HAND SPOON	MINATION FLUIDS USED TABLE WATER TABLE WATER WITH HIGH PRESSURE HER
SAMPLE OBSERVATIONS COLORED AND INTO THE COLORED AND INTO THE COLORED OF THE COLO	H UNITS
ANALYTICAL PARAMETERS	
METHOD PRESERVATION VOLUME SAMPLE MUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID I 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 7 DC 1 DC 1 DC 1 DC 1 DC SAMPLE BOTTLE ID I SAMPLE BOTTLE ID	NUMBERS /
NOES (LOCATION SKETCH) * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 2 bottles EA: 2 bottles	
SIGNATURE: VM/MR RECEIVED BY: NOMCH	E. Roha

_			
	BB ENVIRONMENTAL SERVICES, INC		
	FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9116000 SAMPLING DATE 9.23.91		
1	PROJECT USATHAMA-BAAP SITE TYPE BUGR FILE NAME CSO		
	SITE 10 PBS - 91 - 16 JOB NUMBER 6853-04 WEATHER SUNNY, \$505		
1	ACTIVITY START: 1250 END: 1255 PROGRAM C WINDLY		
	SEDIMENT DATA DEPTH OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED GRAVITY CORER SEDIMENT SAMPLE 1-3		
	SAMPLE OBSERVATIONS COLORED AND AND IENT O.O PPM LOCATION O.O PPM PH UNITS		
	ANALYTICAL PARAMETERS		
	METHOD PRESERVATION VOLUME SAMPLE		
NOSS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) ** THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 ** B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, 2N. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24			
1	No. 2 longth of		
1	DC: 2 bottles		
1			
P	SIGNATURE: VM. / VK		
	RECEIVED BY: Warry F. Roka		

ABB ENVIRONMENTAL SERVICES, INC				
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER FRI 1 7000 SAMPLING DATE 7.25.7				
PROJECT USATHAMA-BAAP SITE TYPE BUGR FILE NAME CSO				
SITE ID F BS - 91 - 1 7 JOB NUMBER 6853-04 MEATHER DY - SUNCY 50%				
ACTIVITY START: 1300 END: 1305				
SEDIMENT DATA DEPTH OF SEDIMENT: SEDIMENT: SEDIMENT: SEDIMENT: SEDIMENT: SEDIMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED CLAY GRAVITY CORER TULIP BULB PLANTER POTABLE WATER WITH ORGANIC S.S. HAND SPOON HIGH PRESSURE COLLECTED COMPOSITE GRAVEL PLASTIC SCOOP				
COLLECTED COMPOSITE GRAVEL PLASTIC SCOOP OTHER				
SAMPLE OBSERVATIONS COLORED AMBIENT O.O PPH LOCATION O.O PPM PH - UNITS				
ANALYTICAL PARAMETERS				
METHOD PRESERVATION VOLUME SAMPLE SAMPLE BOTTLE ID NUMBER METHOD REQUIRED COLLECTE				
NOS (LOCATION SKETCH) THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LN26 B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC; 2. 5011(e) EA: 2 5011(e)				
SIGNATURE: VM/ME				

RECEIVED BY:_

BB ENVIRONMENTAL SERVICES, INC				
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9118000 SAMPLING DATE 9.23.91				
PROJECT USATHAMA-BAAP SITE TYPE BUGR FILE NAME CSO				
SITE ID				
LOCATION START: (310 END: 1315) PROGRAM C WEATHER Prt. Sunny, "50'S WIRELY				
SEDIMENT DATA DEPTH OF SEDIMENT:				
ANALYTICAL PARAMETERS				
METHOD PRESERVATION VOLUME SAMPLE COLLECTED SAMPLE BOTTLE ID NUMBERS METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS PP METALS (SPECIFIED BELOW) 4 DEG C C CR CR CR CR CR CR CR CR CR CR CR CR				
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 2 bottos EA: 2 bottos				
SIGNATURE: VM/MZ RECEIVED BY: Wancy F. Roka				

and the transfer of the

ABB ENVIRONMENTAL SERVICES, INC 9 PAGE 11 OF
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P1 19000 SAMPLING DATE 9.23.31
PROJECT USATHAMA-BAAP SITE TYPE BLIGP
SITE ID PBS-91-19 JOB NUMBER 6853-04 WEATHER PH. SUDRY 950'S
LOCATION ACTIVITY START: 320 END: 1325 PROGRAM C
SEDIMENT DATA DEPTH OF SEDIMENT: CRAVITY CORER SEDIMENT SAMPLE 5 IN CRAVITY CORER POTABLE WATER WITH SAMPLE POTABLE WATER WITH SAMPLE COLLECTED COMPOSITE CRAVITY CORER POTABLE WATER WITH S.S. HAND SPOON HIGH PRESSURE PLASTIC SCOOP OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER
SAMPLE OBSERVATIONS OOOR AMBIENT O, O PPH LOCATION O, O PPM PH LOCATION O, O PPM PH LOCATION
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE OUTSTAND AUMBER METHOD REQUIRED COLETED TO SAMPLE BOTTLE ID NUMBERS ALL JS12 4 DEG C TOC TOC JUSEPA CE-81-11 4 DEG C TOC JUSEPA CE-81-11 4 DEG C TOC JUSEPA CE-81-11 4 DEG C TOC JUSEPA CE-81-11 4 DEG C TOC JUSEPA CE-81-11 4 DEG C TOC JUSEPA CE-81-11 4 DEG C JUSEPA STO.2 4 DEG C JUSEPA STO.2 4 DEG C JUSEPA CE-81-11 4 DEG C JUSEPA CE-81-11 4 DEG C JUSEPA STO.2 4 DEG C JUSEPA CE-81-11 4 DEG C JUSEPA CE-81
* THESE ARE DATACHEM METHODS: EA METHODS: VOC LN17, LN26 B/NA LN20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 2 bottles EA : 2 bottles ,
SIGNATURE: VM/MC

RECEIVED BY:__

_				
	BB ENVIRONMENTAL SERVICES, INC			
_	FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P91 20000 SAMPLING DATE 9.23.91			
1	PROJECT USATHAMA-BAAP SITE TYPE BUGR			
,	SITE 10 PBS - 91 - 20 JOB NUMBER 6853-04 WEATHER PY +. SURRY, 0505			
	ACTIVITY START: 1325 END: 1330 PROGRAM C			
	SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE 1-5 IN			
ļ	SAMPLE OBSERVATIONS ODOR AMBIENT O. D PPH LOCATION O.O PPM PH UNITS			
	ANALYTICAL PARAMETERS			
	METHOD PRESERVATION VOLUME SAMPLE			
NOES LOCATION SKETCH) * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 2 Fottlea EA: 2 Fottlea				
	RECEIVED BY: Vancy E. Roka			

ABB ENVIRONMENTAL SERVICES, INC	PAGE 13 OF
	OOU SAMPLING DATE 7.23 9
PROJECT USATHAMA-BAAP SITE TYPE BUGK	FILE NAME CSO
SITE ID F 6 5 - 9 1 - 21 JOB NUMBER 6853-04	WEATHER prt Sunny, 505
ACTIVITY START: 1335 END: 1340	windy
SEDIMENT DATA DEPTH OF TYPE OF SEDIMENT: EQUIPMENT USED	FOR COLLECTION: DECONTAMINATION FLUIDS USED
SEDIMENT SAMPLE 1-5 IN CLAY GRAVITY CORE	R POTABLE WATER
TYPE OF SAMPLE DISCRETE SILT ALUMINUM PAN	
COLLECTED COMPOSITE GRAVEL PLASTIC SCOO	P
SAMPLE OBSERVATIONS COLORED AMBIENT O. O PPH LOCAT	
U	
ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE METHOD METHOD REQUIRED COLLECTE AL DEG C JS12 A DEG C	SAMPLE BOTTLE ID NUMBERS
□c₄) 4 peg c	
HNA 4 DEG C	
CR 4 DEG C DC 4	
NIT KF17 4 DEG C SO4 KT07 4 DEG C	
USEPA 350.2 4 DEG C USEPA CE-81-1 4 DEG C USEPA CE-81-1 4 DEG C USEPA CE-81-1 4 DEG C	
*얼voc LM23 4 DEG C 논위 얼	137 / 182 / 1
□NG LW27 4 DEG C	
UNAM LNOS 4 DEG C MONT LN23 4 DEG C DC V	130
Н	
D.	//
NOS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 (LOCATION SKETCH)	
PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, JS12, 89, JD21, JD20, Y9.	HG, NI, SB, SE, TL, ZN.
TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24	
DC: 2 bottles	
EA: 2 bottles	
Cr. S. Vol. S.	
SIGNAT	rure: Vm/m2

لي.	
	BB ENVIRONMENTAL SERVICES, INC
	FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9122000 SAMPLING DATE 9.33 91
	PROJECT USATHAMA-BAAP SITE TYPE BUCK.
i	SITE ID PBS-91-22 JOB NUMBER 6853-04 WEATHER FT SUCTUS 9575
i	ACTIVITY START: 1340 END: 1345
	SEDIMENT DATA DEPTH OF SEDIMENT: SAMPLE -6 IN CLAY GRAVITY CORER POTABLE WATER WITH USED FOR COLLECTION: DECONTAMINATION FLUIDS USED GRAVITY CORER POTABLE WATER WITH FOR SAMPLE FOR SA
	COLORED AIR O.O PPM LOCATION O.O PPM PH — UNITS
	### ANALYTICAL PARAMETERS METHOD PRESERVATION WOLUME SAMPLE COLLECTED
	* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 2 TOTH LA EA: 2 Toth LA
	RECEIVED BY: WAYNUE E. RORA
	RECEIVED BT: 1/4/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1

ABB ENVIRONMENTAL SERVICES, INC		PAGE 15 OF
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER	P9123000 SAMPLING DATE	9.23.91
PROJECT USATHAMA-BAAP SITE TYPE	_	CSO
SITE 10 PBS - 91-23 JOB NUMBER		
LOCATION PROGRAM		prt: Sunny, Sos
ACTIVITY START: 1345 END: 1350		۵۱۰مح
SEDIMENT DATA		
DEPTH OF SEDIMENT:	GRAVITY CORER	NTAMINATION FLUIDS USE POTABLE WATER
SAND (1770C	C.S.S. HAND SPOON	POTABLE WATER WITH HIGH PRESSURE
TYPE OF SAMPLE TO SILT GRAVEL	ALUMINUM PAN PLASTIC SCOOP	OTHER
☐ OTHER	OTHER	
SAMPLE OBSERVATIONS COLORED AMBIENT COLORED AIR O.O	SAMPLE LOCATION PPH	pH UNITS
0,0	PPH LOCATION C.O PPM	
ANALYTICAL PARAMETERS	VOLUME SAMPLE	
/ NUMBER METHOD RI	EQUIRED COLLECTED SAMPLE BOTTLE	ID NUMBERS
PP METALS (SPECIFIED BELOW) 4 DEG C QAL JS12 4 DEG C	DC 7ê4/	·//
CA 4 DEG C 4 DEG C	H/	·//
CD 4 DEG C 4 DEG C	A ===/,===	<i>',</i>
UHG Y9 4 DEG C	A ====	<u></u>
☐ PB JD21 4 DEG C☐ TCLP METALS (SPECIFIED BELOW) 4 DEG C☐ C☐ C☐ C☐ C☐ C☐ C☐ C☐ C☐ C☐ C☐ C☐ C☐	d ===/===	·//
UNIT KF17 4 DEG C USO4 KT07 4 DEG C	H/	-//
□ NH3N2 USEPA 350.2 4 DEG C □ TOC USEPA CE-81-1 4 DEG C	R ===/;===	·,/,/,/,/
□µH SW846 METHOD 9045 4 DEG C	EA 8 725 / 728	<u>',</u> ',
*□BN/A LM25 4 DEG C	EA 725 728	<u>',</u> ',
NG LW27 4 DEG C LNQ8 4 DEG C	出 ——/	-,'
DNT LW23 4 DEG C	DC Tab	·,
	A ====/====	· <u>·</u>
	u /	-/
NOS * THESE ARE DATACHEM METHODS. EA METHODS:	VOC LM17, LM26	
(LOCATION SKETCH)	E, CD, CR ,CU, PB, HG, NI, SB, SE, TL, ZN.	
JS12, 89,	JD21, JD20, Y9.	
TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24		
DC: 2 bottles		
EA: 2 bottles		
EM. & DUTTUR		

SIGNATURE: VM/MZ
RECEIVED BY: Warney E. Roka

BB ENVIRONMENTAL SE	·	PAGE
HELD DATA RECORD - SEDIMENT	FIELD SAMPLING NUMBER P911240	OD SAMPLING DATE 9.23.91
PROJECT USATHAMA-BAAP	SITE TYPE BUGR	FILE NAME CSO
SITE 10 PBS-91-24	JOB NUMBER 6853-04	WEATHER SURRY, 150'S
ACTIVITY START: 1640 END: 16	PROGRAM C	brecy
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE 1-5 IN	TYPE OF SEDIMENT: EQUIPMENT USED FOR CLAY GRAVITY CORER TULIP BULB PLAN	POTABLE WATER TER POTABLE WATER WITH
TYPE OF SAMPLE DISCRETE COLLECTED COMPOSITE	ORGANIC S.S. HAND SPOON SILT ALUMINUM PAN GRAVEL PLASTIC SCOOP OTHER OTHER	OTHER
SAMPLE OBSERVATIONS COLORED	AMBIENT SAMPLE LOCATION	O.O PPM PH UNITS
ANALYTICAL PARAMETERS		
METHOO NUMBER PP METALS (SPECIFIED BELOW) AL CA NA CD CR HG PB JD21 TCLP METALS (SPECIFIED BELOW) NIT SO4 KT07 NH3N2 USEPA 350.: USEPA CE-81 TOC USEPA CE-81 SW846 METHOO	-1 4 DEG C	ISI ISO
(LOCATION SKETCH) PP METALS (PRIORITY I TCLP METALS: CD, CR,	J\$12, B9, JD21, JD20, Y9.	, NI, SB, SE, TL, ZN.
DC: 2 bottl	0.4	
EA! 2 bott		
<i>L</i> n. ≈ <i>V</i> 011		
1		
i_		
		vm/m
	SIGNATURE	No E Onto
1	RECEIVED BY	: LIMIUM L. WILL

J

ABB ENVIRONMENTAL SERVICES, INC	PAGE 2 OF
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER POIL	25 700
PROJECT USATHAMA-BAAP SITE TYPE BUG	R SAMPLING DATE 9. 23,71
SITE 10 PBS-91-25 JOB NUMBER 6853-04	FILE NAME CSO
LOCATION START: 1650 END: 1655 PROGRAM C	breezy
SEDIMENT SAMPLE 1-5 IN CLAY GRAVITY SAND TULIP BE ORGANIC S.S. HAI TYPE OF SAMPLE DISCRETE SILT ALUMINUE COLLECTED COMPOSITE GRAVEL PLASTIC OTHER OTHER	ULB PLANTER
ANALYTICAL PARAMETERS	
METHOD PRESERVATION VOLUME SAI	MPLE LECTED SAMPLE BOTTLE ID NUMBERS 733 / / / / / / / / / / / / / / / / / /
NOSS (LOCATION SKETCH) * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CJ JS12, B9, JD21, JD20, TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 2 bottles EA: 2 bottles S S	, PB, HG, NI, SB, SE, TL, ZN.
DEF	ELVED ON INAMON F ROPA

and the second of the second o

BB ENVIRONMENTAL SERVICES, INC	PAGE 3 OF 20
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P91250	00 000
PROJECT USATHAMA-BAAP SITE TYPE BUGR	SAMPLING DATE 9.23.91
SITE 10 P B S - 91 - 26 JOB NUMBER 6853-04	FILE NAME CSO
LOCATION PROGRAM C	WEATHER Sunny, "So's
ACTIVITY START: 1700 END: 1705	breezy
SEDIMENT DATA DEPTH OF	COLLECTION: DECONTAMINATION FLUIDS USED
SEDIMENT SAMPLE IN CLAY GRAVITY CORER SAND TULIP BULB PLAN	POTABLE WATER
ORGANIC S.S. HAND SPOON	HIGH PRESSURE
COLLECTED COMPOSITE GRAVEL PLASTIC SCOOP	LI OTHER
☐ OTHER ☐ OTHER	
SAMPLE OBSERVATIONS COLORED AMBIENT C.O PPM LOCATION	CO PPH PH - UNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE	
ALIMPED METHOD PEOULDED COLLECTED	SAMPLE BOTTLE ID NUMBERS
LIAL JS12 4 DEG C LI	
☐CR 4 DEG C	
HG	
TCLP METALS (SPECIFIED BELOW) 4 DEG C NIT 4 DEG C	
SO4 KT07 4 DEG C	
' LIPH SW846 METHOD 9045 4 DEG C 단기년	743_/_746_//
BN/A LM25 4 DEG C LW27 4 DEG C	
□NAM LNOS 4 DEG C □DNT LW23 4 DEG C □DC □	744
NAM LNOS 4 DEG C DOT LW23 4 DEG C DC	
"	
NOSS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 [LOCATION SKETCH] B/NA LM20	
PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG	, NI, SB, SE, TL, ZN.
JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB.	
JS12, 40 CFR 261.24	
DC: a bottles	
EA: 2 bottles	
	V 1002
SIGNATURE	
effiven ay	: INOMOU E. RORO

_

Û

ABB ENVIRONMENTAL SERVICES, INC	PAGE L' OF
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER PA	27000 SAMPLING DATE 97291
PROJECT USATHAMA-BAAP SITE TYPE 310	313
SITE 10 PBS-91-27 JOB NUMBER 6853-	FILE NAME USU
ACTIVITY START: 1510 END: 1715 PROGRAM C	breezy
SEDIMENT DATA DEPTH OF SEDIMENT: EQUIPMENT	IT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED
SEDIMENT SAMPLE -6 IN Q CLAY Q GRAVE	TY CORER POTABLE WATER BULB PLANTER POTABLE WATER WITH
TYPE OF SAMPLE DISCRETE SILT ALUMI	HAMD SPOON HIGH PRESSURE NUM PAN OTHER_
SAMPLE OBSERVATIONS COLORED AMBIENT O, C PPM	SAMPLE LOCATION O.O PPM pH UNITS
ANALYTICAL PARAMETERS	
NUMBER	SAMPLE DOLLECTED SAMPLE BOTTLE ID NUMBERS IST TENTON TO THE TO NUMBERS IST TENTON TO THE TO NUMBERS IST TO THE TO THE TO NUMBERS IST TO THE T
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17 B/NA LM20 B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, JS12, B9, JD21, JD20 TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 2 bottles EA: 2 bottles	CU, PB, HG, NI, SB, SE, TL, ZN.
	1100 1000
. •	SIGNATURE: VM/M2
	RECEIVED BY: UNAMAY E. ROFa

BB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9:23000 SAMPLING DATE 92391
PROJECT USATHAMA-BAAP SITE TYPE 5:162
SITE ID PBS-91-28 JOB NUMBER 6853-04 WEATHER SUDDY SO'S
LOCATION ACTIVITY START: 1725 END: 1730 PROGRAM C DTECTY
SEDIMENT DATA DEPTH OF SEDIMENT: FOUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED GRAVITY CORER SEDIMENT SAMPLE IN
COLORED AIR C.O PPM LOCATION C.O PPM pH UNITS
ANALYTICAL PARAMETERS METHOD NUMBER NETHOD NUMBER SAMPLE COLLECTED SAMPLE BOTTLE ID NUMBERS TS: TS: TS: TS: TS: TS: TS: T
* THESE ARE DATACHEM METHODS. EA METHODS: VOC BYNA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 2 bottles EA: 2 bottles
RECEIVED BY: VIDACU E. RORO.

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER FAI 29000 SAMPLING DATE 9.23.91
PROJECT USATHAMA-BAAP SITE TYPE BUCK FILE NAME CSO
SITE 10 P 8 5 - 9 1 - 2 8 9 JOB NUMBER 6853-04 WEATHER SUNCY, \$50'S
ACTIVITY START: 1735 END: 1740 PROGRAM C
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE -5 IN
ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE NUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS
PPP METALS (SPECIFIED BELOW) 4 DEG C AL 4 DEG C 4 DEG C
OEG C DC C
UCR 4 DEG C 4 DEG C
NIT KF17 4 DEG C
TCLP METALS (SPECIFIED BELOW) WIT KF17 4 DEG C SO4 KT07 4 DEG C NH3N2 USEPA 350.2 4 DEG C TOC USEPA CE-81-1 4 DEG C PH SW846 METHOD 9045 4 DEG C LM23 4 DEG C *** VOC LM23 4 DEG C *** RN/A DEG C
** Voc
∐NG L₩27 4 DEG C ∐ / / /
NAM LNOS 4 DEG C DC 1772 /
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 2 Vottles EA: 2 bottles
SIGNATURE: VIC./ MZ

BB ENVIRONMENTAL SERVICES, INC	PAGE _7 OF _20
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9130000	
PROJECT USATHAMA-BAAP SITE TYPE BUGR FILE NAME	(.0.1.11
31TE 10 PBS - 91 - 30 JOB NUMBER 6853-04 WEATHER	
LOCATION START: 0800 END: 0805	
SEDIMENT DATA DEPTH OF	ONTAMINATION FLUIDS USED
SEDIMENT SAMPLE (-5 IN CLAY GRAVITY CORER SELECTION: DECLAY GRAVITY GR	POTABLE WATER
☑ rganic □ rs.s. hand spoon	HIGH PRESSURE OTHER
SAMPLE OBSERVATIONS COLORED AMBIENT PPM LOCATION PPM	PH UNITS
ANALYTICAL PARAMETERS	
METHOD PRESERVATION VOLUME SAMPLE SAMPLE BOTTLE	ID NUMBERS
NOS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 LOCATION SKETCH) B/MA LM20	
PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR ,CU, PB, HG, NI, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9.	,
TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24	,
DC: 2 botiles	
EA: 2 bottles	
*TIP. TE failed. Mew one charging.	
SIGNATURE: VM/NR	
RECEIVED BY: 1/VOMMA	E. Rota

ABB ENVIRONMENTAL SERVICES, INC	PAGE 3 OF
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER PAINT OF DECEMBER OF THE PARTY O	1E 9 24 9i
PROJECT USATHAMA-BAAP SITE TYPE BUGK FILE NAM	
SITE 10 P 8 5 - 9 1 - 31 JOB NUMBER 6853-04 WEATHE	
LOCATION ACTIVITY START: 0810 END: 0815	
SEDIMENT SAMPLE 5 IN CLAY GRAVITY CORER SAND TULIP BULB PLANTER CORGANIC S.S. HAND SPOON	ONTAMINATION FLUIDS USED POTABLE WATER POTABLE WATER WITH HIGH PRESSURE OTHER DH ——— UNITS
ANALYTICAL PARAMETERS	
METHOD PRESERVATION VOLUME SAMPLE NUMBER METHOD REQUIRED COLLECTED TO TEST TO	ID NUMBERS
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 2 TOTT (2) EA: 2 TOTT (2) EA: 2 TOTT (2)	1.
SIGNATURE: VM/MK	, C
RECEIVED BY: Vancu	E. Rotea

BB ENVIRONMENTAL SERVICES, INC	PAGE 9 OF 20
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P91320	SAMPLING DATE 9.24.71
PROJECT USATHAMA-BAAP SITE TYPE BUGR	FILE NAME CSO
SITE 10 PBS-91-32 JOB NUMBER 6853-04	WEATHER Cloudy . 505
ACTIVITY START: 0815 END: 0820 PROGRAM C	rainy
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE 1-3 IN CLAY GRAVITY CORER TYPE OF SAMPLE MDISCRETE SILT ALUMINUM PAN COLLECTED COMPOSITE GRAVEL OTHER OTHER TYPE OF SEDIMENT: EQUIPMENT USED FOR GRAVITY CORER ORGANIC SS.S. HAND SPOON ALUMINUM PAN OTHER OTHER	POTABLE WATER ITER POTABLE WATER WITH
SAMPLE OBSERVATIONS COLORED AMBIENT SAMPLE LOCATION	PPM pHUNITS
ANALYTICAL PARAMETERS	
METHOD PRESERVATION VOLUME SAMPLE COLLECTED AL PP METALS (SPECIFIED BELOW) AL CA NA CC CR HG HG HG HG HG HG HG HG HG H	SAMPLE BOTTLE ID NUMBERS 778.///////////////////////////////////
NOSE (LOCATION SKETCH) * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24	Luca (000)
SIGNATURE	
RECEIVED BY	I CHUTTU - KOTZA

(

PROJECT USATHAMA-BAAP SITE ID P B S - 9 1 - 3 B LOCATION ACTIVITY START: 0825 END: 083	SITE TYPE JOB NUMBER PROGRAM	P913306 BUGR 6853-04	SAMPLING DATE FILE NAME WEATHER	
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE 1-3 IN TYPE OF SAMPLE DISCRETE COLLECTED COMPOSITE SAMPLE OBSERVATIONS COLORED COLOR	TYPE OF SEDIMENT: CLAY CSAND V/ORGANIC L/SILT GRAVEL OTHER AMBIENT AIR	GRAVITY CORER TULIP BULB PLANT S.S. HAND SPOON ALUMINUM PAN PLASTIC SCOOP OTHER SAMPLE PPM LOCATION	ER 📗	POTABLE WATER POTABLE WATER WITH HIGH PRESSURE OTHER PH UNITS
ANALYTICAL PARAMETERS METHOD NUMBER APP METALS (SPECIFIED BELOW) JS12 CA NA CD CR HG PB J021 TCLP METALS (SPECIFIED BELOW) NIT S04 KF17 S04 KF07 NH3N2 USEPA 350.2 USEPA 350.2 USEPA CE-81-1 PH SW846 METHOD 904 LM23 BN/A LM25 NG NG LW27 NAM LN08 DNT LN08 LN	METHOD 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 5 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 5 DEG C 6 DEG C 6 DEG C 6 DEG C 6 DEG C 7 DEG C 7 DEG C 7 DEG C 8 DEG C 8 DEG C 9 DEG C	DLUME SAMPLE COLLECTED	SAMPLE BOTTLE 181 184 187 190	ID NUMBERS
* THESE ARE DATACHEM ME PP METALS (PRIORITY POL TCLP METALS: CD, CR, HG JS12, 40 C	LUTANT): AG, AS, BE, JS12, B9, J	J/NA LM20	NI, SB, SE, TL, ZN.	

BB ENVIRONMENTAL	SERVICES, INC
FIELD DATA RECORD - SEDIME	ENT FIELD SAMPLING NUMBER P9, 34000 SAMPLING DATE 9.24.91
PROJECT USATHAMA-BAAP	SITE TYPE BUGK FILE NAME CSO
SITE 10 PBS-91-34	JOB NUMBER 6853-04 WEATHER POUR 50'S
LOCATION START: 0830 END:	PROGRAM C 1:07:, 303
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE	SAND TULIP BULB PLANTER POTABLE WATER WITH GRAVEL OTHER OTHER AMBIENT SAMPLE POTABLE WATER WITH HIGH PRESSURE OTHER OTHER PASTIC SCOOP OTHER SAMPLE
COLORED	AIR PPM LOCATION PPM pH UNITS
PP METALS (SPECIFIED BELOW) AL JS CA NA CD CR HG Y9 PB JD TCLP METALS (SPECIFIED BELOW) N1T KF SO4 KT NH3N2 USEPA TOC USEPA	221
TCLP METALS: CD	B/NA LM20 PRITY POLLUTANT): AG, AS, BE, CD, CR ,CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9.

.

٠.

٠.

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9135000 SAMPLING DATE 9.2471
PROJECT USATHAMA-BAAP SITE TYPE RIGGE
SITE ID PBS-91-35 JOB NUMBER 6853-04 FILE NAME CSO WEATHER TOUR, "50'S
LOCATION START: DEHO: OBHS PROGRAM C
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE 1-3 IN TYPE OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED GRAVITY CORER POTABLE WATER POTABLE WATER WITH SAMPLE OF SAMPLE POTABLE WATER WITH ALUMINUM PAN PLASTIC SCOOP OTHER OTHER SAMPLE OBSERVATIONS ODDR TYPE OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED POTABLE WATER WITH ALUMINUM PAN PLASTIC SCOOP OTHER SAMPLE OBSERVATIONS ODDR AMBIENT SAMPLE
SAMPLE OBSERVATIONS COLORED AMBIENT SAMPLE COLORED ON AIR PPM LOCATION PPM PH UNITS
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE SAMPLE BOTTLE ID NUMBER
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: Tottle
SIGNATURE: VM/MZ

	
BB ENVIRONMENTAL SERVICES, INC	PAGE 13 OF 20
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9136000 SAMPLING DATE	a vi a
PROJECT USATHAMA-BAAP SITE TYPE BUGR FILE NAME	9.24.91 cso
SITE 10 (B S - 9 1 - 3 6) JOB HUMBER 6853-04 WEATHER	rain °30'5
LOCATION START: 0850 END: 0855	- Jos
SEDIMENT SAMPLE 1-5 IN CLAY GRAVITY CORER PROPERTY OF SAMPLE DISCRETE SILT ALUMINUM PAN COLLECTED COMPOSITE GRAVEL TYCICE PLASTIC SCOOP	TAMINATION FLUIDS USED POTABLE WATER POTABLE WATER WITH HIGH PRESSURE DTHER
SAMPLE OBSERVATIONS QOOR AMBIENT SAMPLE	PH UNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE	
NUMBER	NUMBERS
NOSE LOCATION SKETCH) * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 24 Johnson EA: 2 Johnson LOCAL DC	0
SIGNATURE: VM/NN RECEIVED BY: (Norman	L E. Rora

ABB ENVIRONMENTAL SERVICES, INC	AGE 14 OF 4
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER F9137000	
PROJECT USATHAMA-BAAP SITE TYPE BUGR	9.24.71
SITE ID PIBS-91-37 JOB NUMBER 6853-04 WEATHER	cso (air, °50'5
LOCATION ACTIVITY START: 0900 END: 0905	<i>iam, 303</i>
SEDIMENT SAMPLE - IN CLAY GRAVITY CORER PO SAND TULIP BULB PLANTER PO ORGANIC S.S. HAND SPOON	AMINATION FLUIDS USED DTABLE WATER DTABLE WATER WITH HIGH PRESSURE THER UNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE COLLECTED SAMPLE COLLECTED CO	NUMBERS
NOSS (LOCATION SKETCH) * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, 2N. JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: U DOTTO	
SIGNATURE: VM/MX	

BB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9138000 SAMPLING DATE 9.24.91 PROJECT USATHAMA-BAAP SITE TYPE BUGR FILE NAME CSO
SITE ID PBS - 91 - 33 JOB NUMBER 6853-04 WEATHER COLD . 950'S
ACTIVITY START: 0935 END: 0930
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE IN
SAMPLE OBSERVATIONS COLORED AMBIENT AIR PPM LOCATION PPM PH - UNITS
ANALYTICAL PARAMETERS METHOD NUMBER METHOD REQUIRED COLLECTED A DEG C A
NOS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
DC: 4 bottles
SIGNATURE: VM/ML RECEIVED BY: Name t, Roka

ABB ENVIRONMENTAL SERVICES, INC	PAGE 16 OF
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER PRIBATE SAMPLING DATE	
PROJECT USATHAMA-BAAP SITE TYPE BUGR FILE NAME	10111
SITE 1D PBS-91-39 JOB NUMBER 6853-04 WEATHER	
LOCATION ACTIVITY START: 0940 END: 0945	itar, 303
SEDIMENT SAMPLE [-5 IN CLAY GRAVITY CORER SAND TULIP BULB PLANTER	NTAMINATION FLUIDS USED POTABLE WATER POTABLE WATER WITH HIGH PRESSURE OTHER
	· L
ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE MITHOD REQUIRED COLLECTED AL ADEG C AL ADEG C AL ADEG C AL ADEG C AL ADEG C AL ADEG C AL ADEG C AL ADEG C AL ADEG C AL ADEG C AL ADEG C AL ADEG C AL ADEG C AL ADEG C ADEG C	ID NUMBERS
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, 89, J021, J020, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 4 5 off Less DC: 4 5 off Le	
SIGNATURE: VM/N	

• .

BB ENVIRONMENTAL SERVICES, INC	PAGE 17 OF 20
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER PQ (400	SAMPLING DATE 9.34.91
PROJECT USATHAMA-BAAP SITE TYPE GUGR	FILE NAME CSO
SITE ID P 8 5 - 9 1 JOB NUMBER 6853-04	
LOCATION START: 0950 END: 0955	WEATHER Cain 50's
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE IN CLAY GRAVITY CORER GRAVITY CORER ORGANIC S.S. HAND SPOON TYPE OF SAMPLE COLLECTED OTHER OTHER OTHER	POTABLE WATER
SAMPLE OBSERVATIONS COLORED AMBIENT AIR PPM LOCATION	PPH PH UNITS
ANALYTICAL PARAMETERS	
METHOD PRESERVATION VOLUME SAMPLE OUTPUT METALS (SPECIFIED BELOW) AL CA ADEG C ADE	SAMPLE BOTTLE ID NUMBERS 814 S15 S25 S38 S20
NOSE LOCATION SKETCH) * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 4 DC: 4 SIGNATURE:	VM/MR

•

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING MUMBER P9141000 SAMPLING DATE 10. 191
PROJECT USATHAMA-BAAP SITE TYPE BUGR FILE NAME CSO
SITE ID PBS-91-41 JOB HUMBER 6853-04 WEATHER Cloudy 050'S
LOCATION ACTIVITY START: 1225 END: 1230
SEDIMENT DATA DEPTH OF SEDIMENT: SUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED CLAY GRAVITY CORER TYPE OF SAMPLE OF SAMPLE ORGANIC TYPE OF SAMPLE OF SAMPLE ORGANIC TYPE OF SAMPLE OF SAMPLE OF SAMPLE TYPE OF SAMPLE OF SAMPLE OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED TO TABLE WATER WITH ORGANIC SILT ALUMINUM PAN OTHER OTHER OTHER
SAMPLE OBSERVATIONS COLORED AIR O.O PPH LOCATION O.O PPH PH UNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE
NUMBER METHOD REQUIRED SAMPLE BOTTLE ID NUMBERS 276
NOES * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
DC: 2 bottles EA: 2 bottles
SIGNATURE: VM/MZ
RECEIVED BY: Wancy E. Roka

فتعطيه فيمان والمناف والمناف والمانية والمنافية والمنافية والمنافية والمنافية

**************************************			,
ABB ENVIRONMENTAL SE	(1	P9150000	PAGE 19 OF 20
FIELD DATA RECORD - SEDIMENT	FIELD SAMPLING NUMBER	E65-9-1	SAMPLING DATE 9.24.91
PROJECT USATHAMA-BAAP	SITE TYPE	BUGR	FILE NAME CSO
SITE 10 PBS-91-50	JOB NUMBER	6853-04	
LOCATION ACTIVITY START: (O1) END: (O1	PROGRAM	С	WEATHER FOLK, 050'S
ACTIVITY START: 1010 END: 101	13		
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE 1-5 IN TYPE OF SAMPLE CONPOSITE	TYPE OF SEDIMENT: CLAY SAND ORGANIC SILT GRAVEL OTHER	EQUIPMENT USED FOR GRAVITY CORER TULIP BULB PLANT S.S. HAND SPOON ALUMINUM PAN PLASTIC SCOOP OTHER	POTABLE WATER
SAMPLE OBSERVATIONS COLORED	AMBIENT AIR	SAMPLE LOCATION	- PPM pH - UNITS
ANALYTICAL PARAMETERS			
METHOD MUMBER PP METALS (SPECIFIED BELOW) AL JS12 CA MA CD CR HG Y9 PB JD21 TCLP METALS (SPECIFIED BELOW) NIT KF17 SO4 KT07 NH3N2 USEPA 350.2 TOC USEPA CE-81- PM SW846 METHOD 9 VOC USEPA CE-81- PM SW846 METHOD 9 VOC LN23 BN/A LM25 MG LW27 MAM LN08 MOS LW23	METHOD REC 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C 6 DEG C 6 DEG C	DLUME SAMPLE RUIRED COLLECTED	SAMPLE BOTTLE ID NUMBERS RZH RZH RZH RZH RZH RZH RZH R
(LOCATION SKETCH) PP METALS (PRIORITY PARTICLE CO., CR., CR., CR., CR., CR., CR., CR., CR	POLLUTANT): AG, AS, BE, JS12, B9, HG, PB. D CFR 261.24	B/NA LM20	, NI, SB, SE, TL, ZN.
		SIGNATURE	· vm/mr. · Wancu E. Roka ·

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9 (5100)
PROJECT USATHAMA-BAAP SITE TYPE BILGR
SITE 10 PB S - 91 - 51 JOB MUMBER 6853-04 WEATHER COLD 350 S
LOCATION PROGRAM C
ACTIVITY START: 1025 END: 1030
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE IN CLAY GRAVITY CORER DECONTAMINATION FLUIDS USED CLAY TULIP BULB PLANTER POTABLE WATER WITH ORGANIC S.S. HAND SPOON HIGH PRESSURE COLLECTED COMPOSITE GRAVEL OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTH
SAMPLE OBSERVATIONS ODOR AMBIENT SAMPLE COLORED AIR PPM LOCATION PPM PM UNITS
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE MIMBER METHOD REGUIRED COLLECTED SAMPLE BOTTLE ID MIMBERS 4 DEG C CA AL CA ANA A DEG C CC CR AG BG BB JD21 A DEG C ADEG
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
SIGNATURE: VM/MR
RECEIVED BY: Wancy E. Roka

ABB ENVIRONMENTAL SERVICES, IN	
FIELD DATA RECORD - SEDIMENT FIFLD SAMPLING PROJECT USATHAMA-BAAP SIT	SAMPLING DATE 4.3491
	NUMBER 6853-04 FILE NAME CSO
LOCATION P	PROGRAM C WEATHER FOUR 50'S
ACTIVITY START: 1315 ENO: 1320	L
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE	GRAVITY CORER POTABLE WATER
SAMPLE OBSERVATIONS COLORED AMBIENT AIR	SAMPLE LOCATION PPM UNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION	N VOLUME SAMPLE
NUMBER NETHOD A DEG C AL	REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS 241 244 244 248 247 250
	THODS: VOC LM17, LM26 B/NA LM20 AS, BE, CD, CR ,CU, PB, HG, NI, SB, SE, TL, ZN. 2, 89, JD21, JD20, Y9.
DC: 4 bottles	
*TIP/TE not working	g. New one charging
	SIGNATURE: VM/MR RECEIVED BY: I NAME F. ROPA

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9153000 SAMPLING DATE 9.24.91
PROJECT USATHAMA-BAAP SITE TYPE BUGR FILE HAME CSO
SITE 10 PBS-91-53 JOB NUMBER 6853-04 WEATHER Fain \$50'S
LOCATION ACTIVITY START: 1325 END: 1330
SEDIMENT DATA DEPTH OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED SEDIMENT SAMPLE [-5
SAMPLE OBSERVATIONS ODOR AMBIENT SAMPLE COLORED NITS
METHOD PRESERVATION VOLUME SAMPLE BOTTLE ID NUMBERS
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 4 Johnson
SIGNATURE: VM/MR RECEIVED BY: UNIVIOU F. ROPER

		 			
	NMENTAL SEF	RVICES, INC	79154cc	<u>></u>	PAGE 3 OF 22
PROJECT USATHAMA-E		SITE TYPE	BUGR	SAMPLING DATE	9.24 91
	911-54	JOB NUMBER	6853-04	FILE NAME	CSO
I OCATION	1335 END: 134	O PROGRAM	С	WEATHER	min, 350's
SEDIMENT DATA					
DEPTH OF SEDIMENT SAMPLE	I-5 IN	CLAY SAND ORGANIC SILT GRAVEL OTHER	GRAVITY CORER TULIP BULB PLAN S.S. HAND SPOON ALUMINUM PAN PLASTIC SCOOP OTHER	TER	PTAMINATION FLUIDS USED POTABLE WATER POTABLE WATER WITH HIGH PRESSURE OTHER
SAMPLE OBSERVATIONS	COLORED	AMBIENT AIR	SAMPLE LOCATION	PPM	PH UNITS
ANALYTICAL PARA					
PP METALS (SPECIFICAL CANA CD CR HG PB TCLP METALS (SPECIFICAL SOVA NH3N2 TOC PH VOC NG NAM DNT	JS12 Y9 JD21	METHOD REG 4 DEG C	DLUME SAMPLE RUIRED COLLECTED	854 / 257	D NUMBERS
(LOCATION SKETCH)	* THESE ARE DATACHEM M PP METALS (PRIORITY PO TCLP METALS: CD, CR, H JS12, 40 DC: 4	ELLUTANT): AG, AS, BE, JS12, B9, J G, PB. CFR 261.24	I/NA LM20 CD, CR ,CU, PB, HG, D21, JD20, Y9.	NI, SB, SE, TL, ZN.	
			SIGNATURE	160	
			RECEIVED BY	· Wancu	E. Roka

٠...

٠.

دور کا در این از این از این از این از این از این از از این از این از از از از از از از از از از از از از
ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER PAISOND SAMPLING DATE 9.24 91
PROJECT USATHAMA-BAAP SITE TYPE BUGR
SITE ID PBS-91-55 JOB NUMBER 6853-04 WEATHER Fain, 050'S
LOCATION ACTIVITY START: (41) END: 1415
SEDIMENT DATA DEPTH OF SEDIMENT: FOULPMENT USED FOR COLLECTION: SEDIMENT SAMPLE 0-3 IN TYPE OF SAMPLE COLLECTED TYPE OF SAMPLE COLLECTED TYPE OF SAMPLE CONPOSITE TYPE OF SAMPLE CONPOSITE TYPE OF SAMPLE CONPOSITE TYPE OF SEDIMENT: FOULPMENT USED FOR COLLECTION: GRAVEL GRAVEL GRAVEL GOTHER COLLECTION: DECONTAMINATION FLUIDS USED FOR SAMPLE WATER WITH HIGH PRESSURE OTHER CLIPTICAL OTHER SCLIPTICAL
SAMPLE OBSERVATIONS ODOR AMBIENT SAMPLE COLORED AIR PPM LOCATION — PPM PM UNITS
ANALYTICAL PARAMETERS METHOD NUMBER METHOD NUMBER METHOD NUMBER METHOD NUMBER METHOD NUMBER METHOD NUMBER METHOD NUMBER METHOD NUMBER METHOD NUMBER METHOD NUMBER METHOD NUMBER METHOD NUMBER METHOD METHO
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 4 501 64

SIGNATURE: VM/ NR
RECEIVED BY: Wancy E. Roka

' }

BB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9156600
PROJECT USATHAMA-BAAP SITE TYPE RUGIS SAMPLING DATE 9.24.41
SITE ID PBS-91-56 JOB NUMBER 6853-04 WEATHER TOLD \$50'S
ACTIVITY START: 1430 END: 1435
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE 1-5 IN CLAY GRAVITY CORER CLAY GRAVITY CORER CLAY GRAVITY CORER CONTAMINATION FLUIDS USED GRAVITY CORER CONTAMINATION FLUIDS USED GRAVITY CORER CONTAMINATION FLUIDS USED GRAVITY CORER CONTAMINATION FLUIDS USED GRAVITY CORER CONTAMINATION FLUIDS USED GRAVITY CORER CONTAMINATION FLUIDS USED GRAVITY CORER CONTAMINATION FLUIDS USED CLAY GRAVITY CORER CONTAMINATION FLUIDS USED CLAY GRAVITY CORER CONTAMINATION FLUIDS USED CLAY GRAVITY CORER CONTAMINATION FLUIDS USED CLAY GRAVITY CORER CONTAMINATION FLUIDS USED CLAY GRAVITY CORER CONTAMINATION FLUIDS USED CLAY GRAVITY CORER CONTAMINATION FLUIDS USED CLAY GRAVITY CORER CONTAMINATION FLUIDS USED CLAY GRAVITY CORER CONTAMINATION FLUIDS USED CLAY GRAVITY CORER CONTAMINATION FLUIDS USED CLAY GRAVITY CORER CONTAMINATION FLUIDS USED CLAY GRAVITY CORER CONTAMINATION FLUIDS USED CLAY GRAVITY CORER CONTAMINATION FLUIDS USED CONTAMINATION FLUIDS USED CLAY GRAVITY CORER CONTAMINATION FLUIDS USED CLAY GRAVITY CORER CONTAMINATION FLUIDS USED CLAY GRAVITY CORER CONTAMINATION FLUIDS USED CLAY GRAVITY CORER CONTAMINATION FLUIDS USED CLAY CONTAMINATION FLUIDS USED CLAY CONTAMINATION FLUIDS USED CLAY CONTAMINATION FLUIDS USED CLAY CONTAMINATION FLUIDS USED CLAY CONTAMINATION FLUIDS USED CLAY CONTAMINATION FLUIDS USED CLAY CONTAMINATION FLUIDS USED CONTAMINATION FLUIDS USED CLAY CONTAMINATION FLUIDS USED CONTAMINATION FLUIDS USED CONTAMINATION FLUIDS USED CONTAMINATION FLUIDS USED CONTAMINATION FLUIDS USED CONTAMINATION FLUIDS USED CONTAMINATION FLUIDS USED CONTAMINATION FLUIDS USED CONTAMINATION FLUIDS USED CONTAMINATION FLUIDS USED CONTAMINATION FLUIDS USED CONTAMINATION FLUIDS USED CONTAMINATION FLUIDS USED CONTAMINATION FLUIDS USED CONTAMINATION FLUIDS USED CONTAMINATION FLUIDS USED CONTAMINATION FLUIDS USED CONTAMINATION FLUIDS USED CONTAM
SAMPLE OBSERVATIONS ODOR AMBIENT SAMPLE COLORED AIR PPM LOCATION PPM PH UNITS
, ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE
NOSE (LOCATION SKETCH) THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 4 bottles DC: 4 bottles
SIGNATURE: VM/MR RECEIVED BY: VMMCU E. RORO

J

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9157000 SAMPLING DATE 924.91
PROJECT USATHAMA-BAAP SITE TYPE BUGR FILE NAME CSO
SITE ID P 8 5 - 9 1 - 5 7 JOB NUMBER 6853-04 WEATHER TOUR \$50'S
ACTIVITY START: 1440 END: 1445
SEDIMENT DATA DEPTH OF
SEDIMENT SAMPLE IN CLAY GRAVITY CORER POTABLE WATER WITH
ORGANIC S.S. HAND SPOON HIGH PRESSURE TYPE OF SAMPLE DISCRETE SILT ALUMINUM PAN DOTHER
COLLECTED COMPOSITE GRAVEL PLASTIC SCOOP OTHER COLLEGE
SAMPLE OBSERVATIONS COOR AMBIENT SAMPLE
COLORED AIR PPM LOCATION PPM pH UNITS
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE NUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS MPP METALS (SPECIFIED BELOW) 4 DEG C 2 26 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
NA 4 DEG C
□ CR 4 DEG C. □ □///
DP8 JD21 4 DFG C
TCLP METALS (SPECIFIED BELOW) NIT KF17
SO4 KT07 4 DEG C DC \
TOC
*VOC LN23 4 DEG C 369 272 /
NG
NG
NOS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) 8/NA LM20
PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9.
TCLP METALS: CD, CR, HG, PB.
JS12, 40 CFR 261.24
DC: 4 bottles
DC. 9 Umas
SIGNATURE: VM/MC
Wance F Rate

7,

•

BB ENVIRONMENTAL SERVICES, INC	PAGE 7 OF 22
MELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER POR 156000	
PROJECT USATHAMA-BAAP SITE TYPE GUERN	FILE NAME CSO
SITE ID PBS - 9 1 - 58 JOB NUMBER 6853-04	WEATHER FOUR, \$50'S
ACTIVITY START: 1450 END: 1455	
SEDIMENT DATA DEPTH OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: SEDIMENT SAMPLE IN	DECONTAMINATION FLUIDS USED POTABLE WATER POTABLE WATER WITH HIGH PRESSURE OTHER
COLLECTED COMPOSITE GRAVEL PLASTIC SCOOP OTHER SCUPLICE	
SAMPLE OBSERVATIONS COLORED AMBIENT SAMPLE LOCATION LOCATION	PPM pH UNITS
ANALYTICAL PARAMETERS	
METHOD PRESERVATION VOLUME SAMPLE SAM	E BOTTLE ID NUMBERS
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24	, TL, ZN.
DC: 4 bottles	
SIGNATURE: Vn	C C 1
RECEIVED BY: 1 NO.	nou E. Roma

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9159000 SAMPLING DATE 9.7491
PROJECT USATHAMA-BAAP SITE TYPE BUGR FILE NAME CSO
SITE ID PBS-91-59 JOB NUMBER 6853-04 WEATHER (Loudy, "50"5
LOCATION ACTIVITY START: 1455 END: 1500 PROGRAM C
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE LIN CLAY SAND THE TYPE OF SAMPLE COLLECTED COLLECTED CONTAMINATION FLUIDS USED GRAVITY CORER TULIP BULB PLANTER FORGANIC S.S. HAND SPOON HIGH PRESSURE ALUMINUM PAN OTHER OTHER OTHER SAMPLE OBSERVATIONS COLORED AMBIENT AIR PPM LOCATION PPM PH COLORED OTHER COLORED OTHER PPM LOCATION PPM PH COLORED OTHER PPM PH COLORED OTHER OTHER PPM LOCATION PPM PH COLORED OTHER OTHER OTHER OTHER OTHER PPM LOCATION PPM PH COLORED OTHER OT
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE
NOSS (LOCATION SKETCH) * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 8/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 4 Dottled
SIGNATURE: VM/MC

RECEIVED BY: UVancy

BB ENVIRONMENTAL SERVICES, INC	E 9 OF 22
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9160000	0 2 1 0
PROJECT USATHAMA-BAAP SITE TYPE BUGR	9.24.91 cso
SITE ID 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	cioudy °50'S
LOCATION ACTIVITY START: 1520 END: 1525	wing, 303
SEDIMENT SAMPLE LIN	IINATION FLUIDS USED ABLE WATER ABLE WATER WITH HIGH PRESSURE ER
SAMPLE OBSERVATIONS COLORED AMBIENT SAMPLE LOCATION PPM PM	UNITS
ANALYTICAL PARAMETERS	
METHOD PRESERVATION VOLUME SAMPLE METHOD NUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID N A DEG C AL CA AL CD CR CR CR CR CR CR CR CR CR	UMBERS / / / / / / / / / / / / / / / / / / /
NOSE (LOCATION SKETCH) * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, NG, NI, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 2 bottles EA: 2 bottles	
SIGNATURE: VM/MR	E Parta

and the second second second and the second

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER F7161000 SAMPLING DATE 7.24.71
PROJECT USATHAMA-BAAP SITE TYPE BUER FILE NAME CSO
SITE ID PBS-91-61 JOB NUMBER 6853-04 MEATHER FOLIT, 550'S
ACTIVITY START: 1530 END: 1535
SEDIMENT DATA DEPTH OF IYPE OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USE
SEDIMENT SAMPLE 0-3 IN CLAY (THE GRAVITY CORER POTABLE WATER SAND (THE TULIP BULB PLANTER POTABLE WATER WITH
TYPE OF SAMPLE DISCRETE SILT ALUMINUM PAN OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER
SAMPLE OBSERVATIONS COOR AMBIENT SAMPLE COLORED AIR PPM LOCATION PPM PH UNITS
COLORED AIR PPH LOCATION PPH PH UNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS 4 DEG C
TAI JS12 4 DEG C
CA
HG Y9 4 DEG C
NIT KETT 4 DEG C
SO4 KT07 4 DEG C
SO4 KTO7 4 DEG C NH3N2 USEPA 350.2 4 DEG C TOC USEPA CE-81-1 4 DEG C PH SN846 METHOD 9045 4 DEG C LN23 4 DEG C EA STAR STAR STAR STAR STAR STAR STAR STA
The unit of the control of the contr
MAM LNOS 4 DEG C DC 386 /
Π ——,——,
NOS * THESE ARE DATACHEM METHODS: EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) B/NA LM20
PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9.
TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
DC: 2 bottles EA: 2 bottles
EA! a bonce
CLONATURE. VM / M

BB ENVIRONMENTAL SERVICES, INC	PAGE II OF 22
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9162000	AMPLING DATE 9.24.71
PROJECT USATHAMA-BAAP SITE TYPE BUGR	FILE NAME CSO
SITE ID PBS-91-62 JOB MUMBER 6853-04	WEATHER CLOUDY, 50'S
LOCATION START: [545 END: [550 PROGRAM C	rouh
SEDIMENT DATA DEPTH OF SEDIMENT: SEDIMENT: SEDIMENT USED FOR COLLECTI CLAY CLAY CRAVITY CORER COLLECTE CONGANIC TYPE OF SAMPLE DISCRETE COLLECTED CONPOSITE GRAVEL FOR COLLECTED TYPE OF SEDIMENT: SEDIMENT: SEDIMENT USED FOR COLLECTI GRAVITY CORER TULIP BULB PLANTER S.S. HAND SPOON MALUNINUM PAN PLASTIC SCOOP	ON: DECORTAMINATION FLUIDS USED POTABLE WATER WITH HIGH PRESSURE OTHER
OTHER OTHER_SCUPULA	
SAMPLE OBSERVATIONS COLORED ANBIENT AIR PPM LOCATION	PPH UNITS
, ANALYTICAL PARAMETERS	
METHOD PRESERVATION VOLUME SAMPLE NUMBER METHOD REQUIRED COLLECTED AL JS12 4 DEG C CA 4 DEG C CA 4 DEG C CC 4 DEG C CC 4 DEG C CC 4 DEG C CC 4 DEG C CC 4 DEG C CC 4 DEG C CC 4 DEG C CC 4 DEG C CC 4 DEG C CC 4 DEG C CC 4 DEG C CC 4 DEG C CC 4 DEG C CC 4 DEG C CC 4 DEG C CC 4 DEG C CC 6 DEG C CC 6 DEG C CC 6 DEG C CC 7 DETAILS (SPECIFIED BELOW) NIT 7 C DEG C CO 0 D	MPLE BOTTLE ID NUMBERS
NOSS (LOCATION SKETCH) THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 2 Fottles EA: 2 Fottles	SE, TL, ZN.
	m/me Janu E. Rota

.

٠. ه

J

ABB ENVIRONMENTAL SERVICES		PAGE 12 OF
FIELD DATA RECORD - SEDIMENT FIELD SAMP	LING NUMBER P916300	SAMPLING DATE 9.24.91
PROJECT USATHAMA-8AAP	SITE TYPE BUGR	FILE NAME CSO
SITE 10 PBS-91-63	JOB NUMBER 6853-04	WEATHER POLYI, \$50'5
ACTIVITY START: 1600 END: 1605	PROGRAM C	
TYPE OF SAMPLE DISCRETE SILT COLLECTED COMPOSITE GRAVEL OTHER	EDIMENT: EQUIPMENT USED FOR CONTROL GRAVITY CORER TULIP BULB PLANTE S.S. HAND SPOON ALUNINUM PAN PLASTIC SCOOP OTHER COLICIA	POTABLE WATER POTABLE WATER WITH HIGH PRESSURE OTHER
COLORED AMBIENT	SAMPLE LOCATION	PPM pM UNITS
ANALYTICAL PARAMETERS METHOD PRESERV.	ATION VOLUME SAMPLE	
PP METALS (SPECIFIED BELOW) AL JS12 4 DEG AL JS12 4 DEG AL JS12 4 DEG CA 4 DEG MA 4 DEG CC 4 DEG CC 4 DEG CC 4 DEG CC 7 4 DEG CC 7 4 DEG CC 7 4 DEG CC 8 CT 7 4 DEG	REQUIRED COLLECTED C C C C C C C C C C C C C C C C C C C	SAMPLE BOTTLE 1D NUMBERS 905 905 905
NOTE: (LOCATION SKETCH) * THESE ARE DATACHEM METHODS. ELECTRICAL SKETCH) PP METALS (PRIORITY POLLUTANT): TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24	B/NA LM20 AG, AS, BE, CD, CR ,CU, PB, HG, JS12, B9, JD21, JD20, Y9.	N1, SB, SE, TL, 2N.
Dc: 102 bo	Hles	
	SIGNATURE:	· Main F D-D-

BB ENVIRONMENTAL SERVICES, INC
PIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9164000 SAMPLING DATE 9.24.91
PROJECT USATHAMA-BAAP SITE TYPE BUGK
LOCATION PROGRAM C
ACTIVITY START: 1610 END: 1615
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE 1-4 IN
SAMPLE OBSERVATIONS ODOR AMBIENT SAMPLE COLORED AIR PPM LOCATION PPM PM UNITS
ANALYTICAL PARAMETERS
NETHOD PRESERVATION VOLUME SAMPLE
NOS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, 8E, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB.
JS12, 40 CFR 261.24
DC: a bottles EA: a bottles
SIGNATURE: YM/M2
RECEIVED BY: Nancy E. Roka

ABB ENVIRONMENTAL SERVICES, INC	AGE 14 OF
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9 165000 SAMPLING DATE	9.24.91
PROJECT USATHAMA-BAAP SITE TYPE BUGR	
SITE ID PIBS - 91-65 JOB NUMBER 6853-04 WEATHER	roun ° 50's
LOCATION ACTIVITY START: 1620 END: 1625	303
SEDIMENT SAMPLE)_4 IN	AMINATION FLUIDS USED OTABLE WATER OTABLE WATER WITH HIGH PRESSURE THER
	PHUNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE	NUMBERS
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, 89, J021, J020, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 2 Vottles EA: 2 Vottles	

RECEIVED BY: UYONGY E. RORA

_	
	BB ENVIRONMENTAL SERVICES, INC
•	PIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9 1660 0
	PROJECT USATHAMA-BAAP SITE TYPE BUGR SAMPLING DATE 7.25.91
•	SITE ID PBS-91-66 JOB NUMBER 6853-04 FILE NAME CSO WEATHER TOUR \$50'S
1	ACTIVITY START: 0835 END: 0840
1	SEDIMENT DATA DEPTH OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED SEDIMENT SAMPLE 1-5 IN CLAY GRAVITY CORER SAND LITTLE TULIP BULB PLANTER ORGANIC S.S. HAND SPOON TYPE OF SAMPLE DISCRETE OTHER
•	COLLECTED COMPOSITE GRAVEL PLASTIC SCOOP OTHER OTHER SCUPILIO
Ì	SAMPLE OBSERVATIONS ODOR AMBIENT O, PPM SAMPLE COLORED AIR O, PPM LOCATION O, O PPM PH UNITS
i	ANALYTICAL PARAMETERS
	NETHOD PRESERVATION VOLUME SAMPLE SAMP
	NOSS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 * LLOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, MG, NI, SB, SE, TL, ZM. JS12, 40 CFR 261.24 DC: 2 bottles EA: 2 bottles
	RECEIVED BY: Namey F. Roka

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER PO 167000 SAMPLING DATE 9.3591
PROJECT USATHAMA-BAAP SITE TYPE BUGR FILE NAME CSO
SITE 10 PB 5, -91-67 JOB NUMBER 6853-04 WEATHER FOUR, 050'S
LOCATION ACTIVITY START: 0855 END: 0855
SEDIMENT DATA DEPTH OF SEDIMENT: SAMPLE
SAMPLE OBSERVATIONS ODOR AMBIENT O.O PPM LOCATION O.O PPM PH UNITS
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE SAMPLE BOTTLE ID NUMBERS
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 BYNA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 2 bottles EA! 2 bottles
SIGNATURE: VM:/MC

BB ENVIRONMENTAL SERV	/ICES, INC	PAGE 17 OF 22
FIELD DATA RECORD - SEDIMENT FI	ELD SAMPLING NUMBER F916800	SAMPLING DATE 9 25 91
PROJECT USATHAMA-BAAP	SITE TYPE BUGR	FILE NAME CSO
SITE 10 PBS-91-63	JOB NUMBER 6853-04	WEATHER Tain '50'5
ACTIVITY START: 0905 END: 0910	PROGRAM C	(taur 503)
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE [-3 IN]	YPE OF SEDIMENT: EQUIPMENT USED FOR CO CLAY GRAVITY CORER TULIP BULB PLANTE: ORGANIC S.S. HAND SPOON	POTABLE WATER WITH
TYPE OF SAMPLE DISCRETE COLLECTED COMPOSITE	ORGANIC S.S. HAND SPOON SILT ALUMINUM PAN GRAVEL PLASTIC SCOOP OTHER OTHER SCUOUL	OTHER
SAMPLE OBSERVATIONS COLORED COLORED	AMBIENT AIR G.O PPM LOCATION	O.O PPM PH UNITS
ANALYTICAL PARAMETERS	PRESERVATION VOLUME SAMPLE	
PP METALS (SPECIFIED BELOW) AL JS12 CA MA CD CR HG PB JD21 TCLP METALS (SPECIFIED BELOW) NIT SO4 NKT07 NKT07 NKSN2 USEPA 350.2 USEPA 350.2 USEPA CE-81-1 PM SW846 METHOD 9045 LW27 NAM LM25 NAM LM25 NAM LM26 DNT LW27 LNO8 LW23	METHOD A DEG C 4 DEG C	931 / SAMPLE BOTTLE 10 NUMBERS
NOS * THESE ARE DATACHEM MET	## DEG C ## DC DC ## DC DC ## DC DC DC ## DC D	
	SIGNATURE:_ RECEIVED BY:	VM/MR Wana F. Rora

(

ABB ENVIRONMENTAL SERVICES, INC	PAGE 13 OF
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P7157000 SAMPLING DATE	9.25.91
PROJECT USATHAMA-BAAP SITE TYPE BUGR FILE NAME	
SITE ID FBS-91-69 JOB NUMBER 6853-04 WEATHER	
LOCATION ACTIVITY START: 0915 END: 0970	
SEDIMENT SAMPLE 1-3 IN CLAY GRAVITY CORER SAND TULIP BULB PLANTER CORGANIC S.S. HAND SPOON	NTAMINATION FLUIDS USED POTABLE WATER POTABLE WATER WITH HIGH PRESSURE OTHERUNITS
ANALYTICAL PARAMETERS	
METHOD PRESERVATION VOLUME SAMPLE NUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE PP METALS (SPECIFIED BELCM) 4 DEG C CA 4 DEG C ANA 4 DEG C CC 4 DEG C CC 4 DEG C CC 4 DEG C CC 4 DEG C CC 4 DEG C CC 4 DEG C CC 4 DEG C CC 4 DEG C CC 4 DEG C CC 4 DEG C CC 4 DEG C CC 4 DEG C CC 5 C MIT KF17 4 DEG C MIT KF17 4 DEG C MIT SO4 KT07 4 DEG C MISPA 350.2 4 DEG C MISPA CE-81-1 4 DEG C MISSA46 METHOD 9045 4 DEG C MISSA46 METHOD 9045 4 DEG C MISSA46 METHOD 9045 4 DEG C MISSA46 METHOD 9045 4 DEG C MISSA46 METHOD 9045 4 DEG C MIT SW846 METHOD 9045 4 DEG C MISSA46 METHOD 9045 4	ID NUMBERS
NOS (LOCATION SKETCH) * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, 2N. JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 2 bottles EA: 2 bottles	
SIGNATURE: VM / M	<u> </u>

RECEIVED BY:

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9171000 SAMPLING DATE 9.24.91
PROJECT USATHAMA-BAAP SITE TYPE BUGR FILE NAME CSO
SITE 10 PBS - 91 - 71 JOB NUMBER 6853-04 WEATHER TOUR, \$50.5
LOCATION START: 0935 END: 0940
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE SAMPLE COLLECTED C
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 2 bottles EA: 2 bottles
SIGNATURE: VM/MR
RECEIVED BY: Nancy E. Roka

BB ENVIRONMENTAL SERVICES, INC
TELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P7172000
PROJECT: USATHAMA-BAAP SITE TYPE BUGR FILE NAME CSO CSO
SITE 10 PBS - 91-72 JOB NUMBER 6853-04 WEATHER TOUR, 50'S
LOCATION START: D955 END: 1000 PROGRAM C
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE SEDIMENT SAMPLE SEDIMENT SAMPLE SEDIMENT SAMPLE SEDIMENT SAMPLE SEDIMENT SAMPLE SEDIMENT USED FOR COLLECTION: GRAVITY CORER TULIP BULB PLANTER SEDIMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED POTABLE WATER WITH SEDIMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED POTABLE WATER WITH SEDIMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED POTABLE WATER WITH SEDIMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED POTABLE WATER WITH SEDIMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED POTABLE WATER WITH SEDIMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED POTABLE WATER WITH SEDIMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED POTABLE WATER WITH SEDIMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED POTABLE WATER WITH SEDIMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED POTABLE WATER WITH SEDIMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED POTABLE WATER WITH SEDIMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED OTHER SEDIMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED OTHER SEDIMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED OTHER SEDIMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED OTHER SEDIMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED OTHER SEDIMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED OTHER SEDIMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED OTHER SEDIMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED OTHER SEDIMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED OTHER SEDIMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED OTHER SEDIMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED OTHER SEDIMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED OTHER SEDIMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED OTHER SEDIMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED FOR COLLECTION: DECONTAMINATION FLUIDS USED FOR COLLECTION: DECONTAMINATION FLUIDS USED FOR COLLECTION FLUIDS USED FOR COLLECTION FLUID
SAMPLE OBSERVATIONS COLORED AMBIENT O.O PPM SAMPLE LOCATION O.3 PPM PM UNITS
ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE
NAM
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 2 tottles EA: 2 tottles
SIGNATURE: VM/NR RECEIVED BY: Namy E. Rota

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9173000 SAMPLING DATE 9.24.91
PROJECT USATHAMA-BAAP SITE TYPE BUGK
SITE ID PBS - 91-73 JOB NUMBER 6853-04 WEATHER POIN 050'S
ACTIVITY START: 0945 END: 0950 PROGRAM C WINCLY
SEDIMENT DATA DEPTH OF SEDIMENT: SAMPLE TYPE OF SEDIMENT: GRAVITY CORER TULIP BULB PLANTER POTABLE WATER WITH SAMP SPOON HIGH PRESSURE COLLECTED COMPOSITE GRAVEL OTHER O
SAMPLE OBSERVATIONS ODOR AND LOCATION O, 3 PPM PH UNITS
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/NA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, 2M. JS12, 89, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 DC: 2 bottles EA: 2 bottles
SIGNATURE: VM/MR

RECEIVED BY:

			_	
SITE ID NPS - 89-	TYPE OF SEDIMENT	JOS NUMBER 6298-12 LOCATION ACTIVITY STAR EQUIPMENT USED FOR CO [17 CORING DEVICE [1 3.5. SPLIT SPOON	FILE NAME SAMPLING DATE 2 RT: 1210 END: (215 DLLECTION DECONTAMINATION (V) POTABLE WATER	FLUIDS USED
SAMPLE CBSERVATIONS	CY ORGANIC [] GRAVEL [] OTHER	LI ALUMINUM PANS	TYPE OF SAMPLE	
	[] OTHER	[] OTHER	[] COMPOSITE /	NO
AMBIENT AIR VOA PPN		SAMPLE LOCATION AIR VOA		
(LIF REQUIRED AT THIS LOCATION) ANALYTICAL PARAMETER/METHOD	MATRIX	PRESERVATION PETHOD	SAMPLE SAMPLE 80	TTLE ID'S
[] NI / JSO5 [1] FE / JSO5 [1] CD / JSO5 [1] CR / JSO5 [1] CR / JSO5 [1] CA / JSO5 [1] NA / JSO5 [1] NA / JSO5 [1] NA / JSO5 [1] NI / KTO3 [1] SO4 / KTO3 [1] VOC / LH12 [1] BN/A / LM11 [1] NAM / LM02 [1] PHTHL / LM11 [1] ONT / LM07 [1] NG / LM10 [1] NH4 / USEPA 350.2 [1] TOC / USEPA (SOP GM001)	\$0	4 DEG. C 4 DEG. C 4 DEG. C 4 DEG. C	C1	
Sample taken at sin ljer	taked loca	Hon. Cd,Cr,H	7, Pb Samples a	re all

SJS 10-08-89

SIGNATURE OF SAMPLER R Curil Commo

E. C. JORDAN FIELD DATA RECORD - SEDIMENT	PROGRAM QOS	SITE TYPE SEDIMENT	DIS WEATHER	Sun/ CSO
PROJECT USATHAMA - BAAP		JOB NUMBER 6298-12	SAMPLING DATE	27 SEP90
SLITE 10 MPS 1-189	-10131	LOCATION ACTIVITY START:	1220 ENO: [2	23c
SEDIMENT DATA DEPTH OF . 1 5 FE SAMPLE DESERVATIONS	[] ORGANIC	EQUIPMENT USED FOR COLLE [L2 CORING DEVICE [] S.S. SPLIT SPOON [] S.S. HAND SPOON [] ALUMINUM PANS [] S.S. BUCKET [] GTHER	CLI POTABLE C 1 POTABLE TYPE OF SAME CLI DISCRETE	WATER W/HIGH PRESS.
AMBIENT AIR VOA	PPH	SAMPLE LOCATION AIR VOA	PPH	
(F REQUIRED AT THIS LOCATION) AMALYTICAL PARAMETER/METHOD	MATRIX	PRESERVATION METHOD BOH	COLLECTED	E BOTTLE ID'S
[] NI / JSOS [] FE / JSOS [] CD / JSOS [] CR / JSOS [] CR / JSOS [] CR / JSOS [] CI / JSOS [] AL / JSOS [] AL / JSOS [] AL / JSOS [] NIT / KTO3 [] SO4 / KTO3 [] VOC / LM12 [] SM/A / LM11 [] NAM / LM02 [] PHTHL / LM11 [] ONT / LWO7 [] NG / LW10 [] NH4 / USEPA 350.2 [] PH / USEPA (SOP GM001)	S0 	4 DEG. C 4 DEG. C		
Sample taken Cd, Cr, Pb, Hg Sampl	at staked local as all in 100 Nitro		el in pond i	s loω.

	E. C. JORDAN FIELD DATA RECORD - SEDIMENT	FIELD SA	SITE TYPE SEDIM	518191014111 WEAT	<u> </u>
ļ	PROJECT USATHANA - BAAP	403	JOB NUMBER 6298-		<u> </u>
		, 			
,L	SITE 10 NIPS-1819-10	04	LOCATION ACTIVITY	START: 1305 E	0: 1315 l
		THE OF SEDIMENT	EQUIPMENT USED F		MINATION FLUIDS USED FABLE WATER
l	DEPTH OF SEDIMENT SAMPLE	SAND 1 SILT	[] S.S. SPLIT S [Jy S.S. HAND SP	POON []PO	TABLE WATER W/HIGH PRESS.
	SAMPLE OBSERVATIONS	1 GRANIC 1 GRAVEL	[] S.S. BUCKET	(401	F SAMPLE SCRETE
ļ] OTHER	[] OTHER	(160	MPOSITE / NO
	AMBIENT AIR VOA PPH		SAMPLE LOCATION AIR	VOA	PPH
ŀ	(IF REQUIRED AT THIS LOCATION) AMALYTICAL PARAMETER/METHOD	MATRIX	PRESERVATI METHOD	ON BOTHE COLLECTED	SAMPLE BOTTLE ID'S
1	[] NI / JS05 [] FE / JS05	\$0	4 DEG. C 4 DEG. C	[1]	
	(r) (c) / 1805 (r) (c) / 1805		4 DEG. C) [4.5] =	13
İ	[4] 68 / 1805 [4] 86 / 1805		4 DEG. C. 4 DEG. C.	(402)	
•	[] CA / JS05 [] MA / JS05		4 DEG. C 4 DEG. C		
	[] AL / JSO5 [] NIT / KTO3 [] SO4 / KTO3		4 DEG. C 4 DEG. C 4 DEG. C		
	C1 VOC / LM12 C1 SM/A / LM11		4 DEG. C 4 DEG. C	ii =	
	[] MAH / LHG2 [] PHTHL / LH11		4 DEG. C 4 DEG. C		
	[] OHT / LUO7 [] HG / LU10		4 DEG. C 4 DEG. C		
İ	[] MM4 / USEPA 330.2 [] TOC / USEPA CE-81-1 [] DM / USEPA (SOP GMOOT)	50	4 0EG. C 4 0EG. C 4 0EG. C		
•					
1	cd, Cr, Hg, Pb samples	ell in 164	loz) jar. No	stake at loca	tion.
	3 ,3,7,5,7,0,0,0,7		NP5-89-0	94	
ı		(
·					
1			\ Nitro		
•			Nitro Pond		
1		_	/	/	
'				•	
•					
	1				

STEMATURE OF SAMPLER R Suit Commis

الا 10-08-89

FIELD DATA RECORD - SEDIMENT PROJECT USATKANA - SAAP SITE ID N PS - 89	OGRAM QOS	SITE TYPE SEDIMENT JOB NUMBER 6298-12 LOCATION ACTIVITY START:	FILE NAME SAMPLING DATE 1250 END: 1	Scany 75 CSO 27 AUE 90
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE .15 FŁ SAMPLE ORSERVATIONS	TYPE OF SEDIMENT (UF CLAY (UF SAMO () SILT () ORGANIC () GRAVEL () OTHER	EQUIPMENT USED FOR COLLE [17 CORING DEVICE [1] S.S. SPLIT SPOON [17 S.S. HAND SPOON [17 ALUNTHUM PANS [1] S.S. BUCKET [1] OTHER	CTION DECONTAMENAT	ION FLUIDS USED WATER WATER WATER WHIGH PRESS.
AMBIENT AIR VOA PPI CE IF REQUIRED AT THIS LOCATION) AMALYTICAL PARAMETER/METHOD C. I. NI. / JSOS	MATRIX	PRESERVATION AIR VOA PRESERVATION RETHOD 4 DEG. C	SAMPLE SAMPLE COLLECTED	E BOTTLE ID'S
[] FE / JS05 [L] CD / JS05 [L] CR / JS05 [L] CR / JS05 [L] MG / JS05 [L] PG / JS05 [L] A / JS05 [L] MA / JS05 [L] MA / JS05 [L] MA / JS05 [L] MIT / KT03 [L] S04 / KT03 [L] S04 / KT03 [L] S04 / LH11 [L] BM/A / LH11 [L] DHT / LM07 [L] NG / LH10		4 DEG. C 4 DEG. C 4 DEG. CE 120		
(1) HIMA ' USEPA 330.2 (1) TOC / USEPA CE-81-1 (1) PM / USEPA (SOP GMODI) MOTES / SKETCH Cr.Cd, Hg + F		all put in (1) 40	bz. jar. No s	#Ke at
		Nitro Rond NPS-89-05		

SIGNATURE OF SAMPLER

BJS 10-08-89

R Diel Prasine

	E. C. JORDAN FIELD DATA RECORD - SEDIMENT PROGR	FIELD S	SITE TYPE SEDIM	SISPICE I WEATH	3.54A(7-73
•	PROJECT USATHAMA - BAAP		JOS MUMBER 6298-	12 SAMPLING DA	
. !	SITE 10 NPS-819-10	060	LOCATION ACTIVITY	START: 1235 ENO	: 1245
 - 	DEPTH OF SEDIMENT SAMPLE .15 FE SAMPLE DESERVATIONS Sm cort clay	TYPE OF SEDIMENT 1 CLAY 2 SAND 1 SILT 1 ORGANIC 1 GRAVEL 1 OTHER	EGUIPMENT USED F (1 CORING DEVICE (1 S.S. SPLIT S (4 S.S. NAMB SP (4 ALLMINUM PAN (1 S.S. SUCKET (1 OTHER	E (L) POTAL POON () POTAL OON S TYPE OF : L) DISC	
ı	AMBIENT AIR VOA PPN]	SAMPLE LOCATION AIR	VOA	PPH
	(IF REQUIRED AT THIS LOCATION) ANALYTICAL PARAMETER/METHOD	MATRIX	PRESERVATI METHOD	ON SAMPLE SAMPLE SAMPLE SAMPLE	NIPLE BOTTLE ID'S
	[] HI / JS05 [] FE / JS05 [] FE / JS05 [] CR / JS05 [] CR / JS05 [] HI / JS05 [] AL / JS05 [] AL / JS05 [] AL / JS05 [] HI / KT03 [] SV04 / KT03 [] SV04 / KT03 [] SV04 / KT03 [] SV04 / KT03 [] SW14 / LW11 [] SW14 / LW11 [] SW14 / LW11 [] SW14 / LW11 [] SW14 / LW11 [] SW14 / LW10 [] W14 / USEPA 350.2 [] FOC / USEPA CE-81-1 [] SW1 / USEPA (SOP GM001)	30	4 0EG. C 4 0EG. C 4 0EG. C 4 0EG. C 4 0EG. C 4 0EG. C 4 0EG. C 4 0EG. C 4 0EG. C 4 0EG. C 4 0EG. C 4 0EG. C 4 0EG. C 4 0EG. C 4 0EG. C 4 0EG. C 4 0EG. C		
,	Cd, Cr, Pb, Hg Samples all	tcken at	in (1) 402. j	ar. No stake o	at location.
1					
			Nitro Pend		
	B 10 10-08-89		ANRS-80		
	8J\$ 10-08-89		\sim	. 00.00	

SIGNATURE OF SAMPLER R David Dinance

E. C. JORDAN FIELD DATA RECORD - SEDIMENT PROGRAM PROJECT USATHAMA - BAAP SITE ID N P S - 89 - C	205	SITE TYPE JOB HUMBER	NIPS IN DEPENDENT 6298-12 TIVITY START:	FILE N	CSO 27.5E	
DEPTH OF SEDIMENT SAMPLE .1-5Ft C. SAMPLE OBSERVATIONS	PE OF SEDIMENT CLAY SAND SILT ORGANIC GRAVEL OTHER	C. CORT [] S.S. [4] S.S. [4] S.S. [1] STHE [1] SAPPLE LOCA	T USED FOR COLLECT ING DEVICE SPLIT SPOON MAND SPOON EMAN PANS BUCKET R TION AIR VOA	TYPE OF CLI-OIS	PPH PPH	TH PRESS.
(LIF REQUIRED AT THIS LOCATION) AMALYTICAL PARAMETER/METHOD [] MI / JSO5 [] FE / JSO5 [] CD / JSO5 [] MJ / JSO5 [] MJ / JSO5 [] MA / JSO5 [] MA / JSO5 [] MA / JSO5 [] MIT / KTO3 [] SO6 / KTO3 [] VOC / LM12 [] SMA / LN11 [] MAM / LN02 [] PHTHL / LM11 [] ONT / LM07 [] MG / LM10 [] MM / USEPA 350.2 [] MI / USEPA (SOP GMO01)	SO SO	4 4 4 4 4 4 4 4 4 4	06G. C 06G. C 06G. C	COLLECTED COLLECTED	SAMPLE BOTTLE II	
NOTES / SICETCH Cd,Cr, Pb, Hg a	Nitro Pond	Hoz. jar	. No Stake	ct locati	• ~ .	

SIGNATURE OF SHIPLER Q.D. Dungmine

8JS 10-08-69

_1					
	E. C. JORDAN FIELD DATA RECORD - SEDIMENT	FIELD S	SITE TYPE SEDIMENT	FILE N	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	PROJECT USATHAMA - BAAP		JOS NUMBER 6298-12	SAMPLING DA	
-	SITE ID NIPS - 89	-08	LOCATION ACTIVITY STAR	134C EM	1345
ı	EDIMENT DATA	TYPE OF SEDIMENT	EQUIPMENT USED FOR CON	(POT	MINATION FLUIDS USED
	SEDIMENT SAMPLE .15 FL	[] SANO [] SILT [-] ORGANIC	[] S.S. SPLIT SPOON [] S.S. HAND SPOON [] ALLMINUM PANS	() POTA	WELE WATER W/HIGH PRESS.
1	SAMPLE GESERVATIONS	[] GRAVEL [] OTHER	[] S.S. BUCKET	(4018	
,	AMBIENT AIR VOA	PPN	SAMPLE LOCATION AIR VOA		PPH
}	47				
•	(A IF REQUIRED AT THIS LOCATION) AMALYTICAL PARAMETER/METHOD	MATRIX	PRESERVATION METHOD	SAMPLE S	EAMPLE BOTTLE ID'S
	[] NI / JS05 [] FE / JS05	\$0	4 DEG. C		
:	(v)		4 DEG. C 12/4	//NI ''.	17 /
	C-) PE / JS05 [] CA / JS05		4 DEG. C	(or) =	
)	[] MA / JSOS [] AL / JSOS [] MIT / KTO3		4 0€G. C 4 0€G. C 4 0€G. C		
	[] SO4 / KT03 [] VOC / LH12		4 DEG. C 4 DEG. C		
	[] BM/A / LM11 [] MAM / LM02		4 DEG. C 4 DEG. C		
1	[] PHTHL / LM11 [] ONT / LW07 [] NG / LW10		4 DEG. C 4 DEG. C 4 DEG. C		
l	[] NM4 / USEPA 350.2 [] TOC / USEPA CE-81-1		4 DEG. C 4 DEG. C		
ļ	[] pH / USEPA (SCP GHOOT)	33	4 DEG. C		
اً	Appears to be sm. i	b are all i	n 1 (402.) jar.	No stake	@ location.
ļ					
İ	beginning of this.	_	Inlet is dr	y now and	looks as though
į			Linexia Gers	Welter dur.	ng honey Storm.
		1):1-			
		Nitro Pone	ı	•	
			· ·		
}					
			185-59-05		
	\$ 10-08-89		OF SAMPLER &	ril Russi	2.02

E. C. JORDAN FIELD DATA RECORD - SEDIMENT PROJECT USATHANA - BAAP	PROGRAM QOS	SITE TYPE SEDIMENT JOB NUMBER 6298-12 SA	FILE NAME CSO
PROJECT USATHAMA - BAAP		308 MUNEER 0276-12 34	PLING DATE 275EPGC
SITE ID NPS-	86-6	LOCATION ACTIVITY START: 135	ENO: 1400
DEPTH OF SEDIMENT SAMPLE . 1 +5 .5	D. ORGANIC	EQUIPMENT USED FOR COLLECTION [OECONTAMINATION FLUIDS USED (-) POTABLE WATER () POTABLE WATER W/HIGH PRESS. TYPE OF SAMPLE (L) DISCRETE () COMPOSITE / NO
AMBIENT AIR VOA	PPH	SAMPLE LOCATION AIR VOA	PPH
(IF REQUIRED AT THIS LOCAT ANALYTICAL PARAMETER/METHOD	ION) MATRIX	PRESERVATION SAMPLE METHOD BOHN-COLLECTE	PLE SOTTLE ID'S
[] HI / JSO5 [] FE / JSO5 [] CD / JSO5 [] CR / JSO5 [] CR / JSO5 [] CA / JSO5 [] CA / JSO5 [] MA / JSO5 [] MA / JSO5 [] MIT / KTO3 [] SO6 / KTO3 [] VOC / LM12 [] SM/A / LM11 [] RAM / LM02 [] PHTHL / LM11 [] DHT / LM07 [] MG / LM10 [] HM6 / USEPA 350.2 [] PM / USEPA (SOP GNO01)	SD	4 DEG. C	
Cd, Cr. Hg, Pb San	ple taken at 5- -ple all in (1) 40	taked location in middle oz. jar.	e of a ditch.
·			

	<u></u> _			
E. C. JORDAN FIELD DATA RECORD - SEDIMENT PROGRA	FIELD SA	SITE TYPE SEDIMENT	FILE NAME	CSO
PROJECT USATHAMA - BAAP		JOS NUMBER 6298-12	SAMPLING DATE	275 EP 90
SITE 10 NIPS - 189 - 1	0	LOCATION ACTIVITY START	: 14cs 510:	1415
DEPTH OF SEDIMENT SAMPLE 1 to .5 ft [YPE OF SEDIMENT I CLAY I SAND I SILT Y ORGANIC I GRAVEL I OTHER	EQUIPMENT USED FOR COLL [-] CORING DEVICE [1 S.S. SPLIT SPOON [L]-S.S. HAND SPOON [ALLMINUM PAMS [1.S.S. BUCKET [1 OTHER	(U-POTABLE	.SZER HDIH/W RESS. PLE E
AMBIENY AIR VOA PPH		SAMPLE LOCATION AIR VOA	PPH	
(LIF REQUIRED AT THIS LOCATION) AMALYTICAL PARAMETER/METHOD	MATRIX	PRESERVATION BOTH	SAMPLE SAMP	LE BOTTLE ID'S
[] N1 / JS05 [] FE / JS05 [] CD / JS05 [] CD / JS05 [] MG / JS09 [] MG / JS05 [] CA / JS05 [] MA / JS05 [] MA / JS05 [] MIT / KT03 [] S06 / KT03 [] S06 / KT03 [] S06 / KT03 [] S06 / LM12 [] SM/A / LM11 [] MAM / LM11 [] MAM / LM11 [] MAM / LM11 [] MM / LM10 [] MG / LW10 [] MG / LW10 [] MG / LW10 [] MM / USEPA SS0.2 [] TOC / USEPA (SOP GM001)	\$0 	4 DEG. C 4 DEG. C	1	
HOZ. Glass jans.	in one in To	3 separate 40 m oK Samples at	.l viele. Ren Staked locati	out of on.
· .				
]				
· !				
1				

BJS 10-08-89

SIGNATURE OF SAMPLER _ R. Down Domann 0

ABB ENVIRONMENTAL SERVICES, INC. PAGE 1 OF 25					
FIELD DATA RECORD - SURFACE WATER FIELD SAMPLING NUMBER NAIL OLOCO					
PROJECT USATHAMA-BAAP SITE TYPE POND SAMPLING DATE 9.22.91					
SITE ID NPW-911-011 JOB NUMBER 6853-04 FILE NAME CSW					
ACTIVITY START: 0905 END: 0910 PROGRAM C WEATHER Cloudy, °505 Windy					
SURFACE WATER DATA TYPE OF SAMPLE LOCATION YES SURFACE WATER:					
WATER DEPTH /- 2" 5 SKETCH BELOW? NO STREAM SAMPLE LOCATION TEMPERATURE 13.0 DEG C. SKETCH BELOW? NO STREAM					
DEPTH OF SAMPLE Surface 57 AMBIENT SEEP					
FROM TOP OF WATER PPM J					
FOR COLLECTION BOMB SAMPLER SPEC. COND. 145 umbos/cm LOCATION PPM DECONTAMINATION FLUIDS USED: POTABLE WATER NONE					
ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE SAMPLE BOTTLE ID NUMBERS LAB					
TAL METALS (SPECIFIED BELOW) NUMBER METHOD REQUIRED COLLECTED					
2504 TT09 4 DEG C 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
12) KN USEPA 351.1 ***** H2504 () US 160 ////					
MARD USEPA 130.2 HMO3 TO DN<2 500 MI P 22. / / DC					
** DYOC UM21					
ONT UW27 4 DEG C (2) 1 L AG 1 147 163 1 DC 142 144 1 DC					
# B/NA UN25 4 DEG C (2) IL AG 2 147 / 163 / DC UN25 4 DEG C (2) IL AG 147 / 163 / DC UN25 4 DEG C (2) IL AG 147 / 163 / DC					
·					
NOTES * THESE ARE DATACHEM METHODS. EA METHODS: VOC UM19, UM26 (LOCATION SKETCH?) B/NA UM24					
TAL METALS (TOXIC ANALYTE LIST): AL, SB, AS, BA, BE ,CD, CA ,CR, CD,					
CU, FE, PB, MG, MN, HG, NI, K, SE, AG, NA, TL, V, ZN. SS12, AX8, CC8, SD25, SD29, SD18					
**METHOD NUMBER FOR TL PENDING CERTIFICATION					
/					
DC: 8 bottles					
Approx. Location of SW-01 Eff: 5 bottles					
Location of SW					
Approx					
SIGNATURE: VM/MC					
no 8/9/89 RECEIVED BY: INancy E Roka					

BB ENVIRONMENTAL SERVICES, INC.	PAGE 2 OF 25
TELD DATA RECORD - SURFACE WATER FIELD SAMPLING NUMBER N9102000	
PROJECT USATHAMA-BAAP SITE TYPE POND SAMPLING DAT	E 9.22.91
11TE 10 N PW- 91-02 JOB NUMBER 6853-04 FILE NAM	E CSW
LOCATION START: 0930 END: 0935 PROGRAM C WEATHE	1, 2,0
	breezy
SURFACE WATER DATA SAMPLE LOCATION YES SKETCH BELOW? NO NO	TYPE OF SURFACE WATER: STREAM RIVER
JEPTH OF SAMPLE CUSTON ST	POND/LAKE SEEP
SAMPLE SAMPLE	РРМ 🗆
QUIPMENT USED NONE, GRAB INTO BOTTLE SPEC. COND. 149 unhos/cm	PPM DECONTAMINATION FLUIDS USED: POTABLE WATER NONE
NALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE SAMPLE BOTTLE NUMBER METHOD REQUIRED COLLECTED	ID NUMBERS LAB
☑JAL METALS (SPECIFIED BELOW) HNO3 TO pH<2 1 L Poug. ☑ 25 /	, DC
1 1/2804 TT09 4 DEG C 1 28 / TT09 4 DEG C 1 27 / TT09 4 DEG C 1 27 / TT09 4 DEG C 1 27 / TT09 4 DEG C 1 27 / TT09 4 DEG C 1 2 7 / TT09 4 DEG C 1 / TT09 4 DEG C 1 / TT09 4 DEG C 1 / TT09 4 DEG C 1 / TT09 4 DEG C 1 / TT09 4 DEG C 1 / TT09 4 DEG C 1 / TT09 4 DEG C 1 / TT09 4 DEG C 1 / TT09 4 DEG C 1 / TT09 4 DEG C 1 / TT09 4 DEG C 1 / TT09 4 DEG C 1 / TT09 4 DEG C 1 / TT09 4 DEG C 1 / TT09 4 DEG C 1 / TT09 4 DEG C 1 / TT09 4	//
MINISN2 TF30 N2S04 TO PN<2 PM 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	//_EA
MALK USEPA 310.1 4 DEG C Scomp 30 /	1 DC
WYOC UM21 4 DEG C (2) 40 ml 31 / 79 BYNA UM25 4 DEG C (2) 1 L AG 32 / 50 NG UM27 4 DEG C (2) 1 L AG 35 / 50 INC.	//_EA
NG UW27 4 DEG C (2) L AG 151 / 152 UW25 4 DEG C (2) L AG 167 / 168	/
i	
NOTES * THESE ARE DATACHEM METHODS. EA METHODS: VOC UM19, UM26	
(LOCATION SKETCH?) TAL METALS (TOXIC ANALYTE LIST): AL, SB, AS, BA, BE, CD, CA, CR, CO, CU, FE, PB, MG, MN, HG, NI, K, SE,	
AG, NA, TL, V, ZN. \$\$12, Ax8, CC8, \$D25, \$D29, \$D18	
DC: 8 buttles	
EA: 5 butties	
Pond * 5w-2	:
*	
SIGNATURE: VM/M	
NO 8/9/89 RECEIVED BY: Namy E. Roka	

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER 09,000 SAMPLING DATE 10.3.91
PROJECT USATHAMA-BAAP SITE TYPE POND FILE NAME CSQ
SITE ID 0 P S - 9 1 - 0 1 JOB NUMBER 6853-04
LOCATION START: 0845 END: 0850 PROGRAM C DISCLUSION
SEDIMENT DATA DEPTH OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USE POTABLE MATER SAND TULIP BULB PLANTER POTABLE MATER WITH POTABLE MATER W
SAMPLE OBSERVATIONS ODOR AMBIENT AIR PPM LOCATION PPM PH UNITS
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE NUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS 4 DEG C
* THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24 ** THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. ** THESE ARE DATACHEM METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. ** THESE ARE DATACHEM METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. ** THESE ARE DATACHEM METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. ** THESE ARE DATACHEM METHODS: VOC LM17, LM26 B/MA LM20 PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. ** TOUR METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9. ** THESE ARE DATACHEM METHODS: VOC LM17, LM26 B/MA LM20
SIGNATURE: VM/MZ RECEIVED BY: Warry E. Roka

ے	
	BB ENVIRONMENTAL SERVICES, INC
	ELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER 0910200 SAMPLING DATE 103.91
1	PROJECT! USATHAMA-BAAP SITE TYPE POINT
	OCATION DESCRIPTION DISTRICT D
1 '	OCATION CTIVITY START: 0855 END: 0900
1	SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE 0-3 IN CLAY GRAVITY CORER SAMO TULIP BULB PLANTER POTABLE WATER UITH ORGANIC S.S. HAND SPOON HIGH PRESSURE
1	TYPE OF SAMPLE DISCRETE SILT ALUMINUM PAN OTHER GRAVEL PLASTIC SCOOP OTHER OTHER
Ì	SAMPLE OBSERVATIONS ODOR AMBIENT SAMPLE COLORED AIR PPM LOCATION PPM PM UNITS
1	ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE
1	NUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS PP METALS (SPECIFIED BELOW) 4 DEG C / / / / /
	AL JS12 4 DEG C 1264 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	NA 4 DEG C DC TO TO TO TO TO TO TO TO TO TO TO TO TO
:	CR 4 DEG C
	PB JD21 4 DEG C JCLP METALS (SPECIFIED BELOW) 4 DEG C JCLP METALS (SPE
	804 KT07 4 DEG C
Ĭ	70C USEPA CE-81-1 4 DEG C FA (1266 ///
,	PH SW846 METHOD 9045 4 DEG C//
Ì	HNG LW27 4 DEG C H//
J	HAM LNO8 4 DEG C
!	世 <u> </u>
	 /
	IQES * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 LOCATION SKETCH) B/NA LM20
	PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN.
	JS12, B9, JD21, JD20, Y9. TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
	DC: d. DOILOS ALL (staked)
i	th: 1 bottle
	RR
	SIGNATURE: VIVI/ NV
	RECEIVED BY: Nancy E. Rota

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER 09100 SAMPLING DATE 10391
PROJECT USATHAMA-BAAP SITE TYPE PO (T)
SITE ID OPS - 91 - 03 JOB NUMBER 6853-04 FILE NAME CSO
LOCATION OT 505 ACTIVITY START: STAR
SEDIMENT DATA
DEPTH OF SEDIMENT SAMPLE O-3 IN CLAY CLAY CLAY CHAPTER TULIP BULB PLANTER POTABLE WATER WITH
SAND TULIP BULB PLANTER POTABLE WATER WITH ORGANIC TYPE OF SAMPLE COLLECTED SOURCE COLLECTED SOURCE COLLECTED SOURCE COLLECTED SOURCE COLLECTED SOURCE COLLECTED SOURCE COLLECTED SOURCE COLLECTED SOURCE COLLECTED SOURCE COLLECTED COLLECTED SOURCE COLLECTED COLLECTED SOURCE COLLECTED COLLECTED SOURCE COLLECTED COLLECTED COLLECTED SOURCE COLLECTED COLLE
SAMPLE OBSERVATIONS ODOR AMBIENT SAMPLE
COLORED AIR PPM LOCATION PPM PH UNITS
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE NUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE ID NUMBERS
PP METALS (SPECIFIED BELOW) 4 DEG C 4 DEG C 4 DEG C 4 DEG C 4 DEG C
ØgA 4 DEG C DC{₩ 1273 /
CD
HG
TCLP METALS (SPECIFIED BELOW) 4 DEG C
MAIT KF17 4 DEG C DC 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
MASOC USEPA 350.2 4 DEG C
1 M23 4 DEG C
BN/A LM25 4 DEG C
NAM
NG LW27 4 DEG C
Ľ <u></u> /
NOT
NOS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) B/NA LM20
PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR ,CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9.
TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
lack
DC: 2 bottes In
EA: 1 bottle
VRR ⊗ 075-91-03
SIGNATURE: VM/MR
RECEIVED BY: 1 Name E Roka
NEGETACO DI: 1/10/10/10/10/10/10/10/10/10/10/10/10/10

	75
B ENVIRONMENTAL SI	
TELD DATA RECORD - SEDIMENT	SAMPLING DATE 10.3 41
PROJECT USATHAMA-BAAP	FILE NAME CSO
SITE 10 0 P S - 9 (1-04)	JOB NUMBER 6853-04 PROGRAM C WEATHER SUNNY, "50'5
ACTIVITY START: 0925 END: 00	
SEDIMENT DATA DEPTH OF SEDIMENT SAMPLE O-6 IN TYPE OF SAMPLE DISCRETE COLLECTED COMPOSITE	TYPE OF SEDIMENT: EQUIPMENT USED FOR COLLECTION: DECONTAMINATION FLUIDS USED CLAY GRAVITY CORER SAND TULIP BULB PLANTER POTABLE WATER WITH ORGANIC S.S. HAND SPOON HIGH PRESSURE SILT ALUMINUM PAN OTHER GRAVEL PLASTIC SCOOP OTHER
SAMPLE OBSERVATIONS COLORED	AMBIENT SAMPLE PPM PM UNITS
ANALYTICAL PARAMETERS METHOD NUMBER PP METALS (SPECIFIED BELOW) AL JS12 CCD CR HG Y9 PB JD21 TCLP METALS (SPECIFIED BELOW) VIT KF17 K707 NH3N2 USEPA 350 USEPA 250 YOC USEPA CE-8 SW846 METHOD LM23 NG LW27 NAM LNO8 DNT LW23	1-1 4 DEG C FA M 184///
NOS * THESE ARE DATACHED (LOCATION SKETCH) PP METALS (PRIORITY TCLP METALS: CD, CR JS12, 6	B/NA LM20 POLLUTANT): AG, AS, BE, CD, CR ,CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9.
	C: 2 bottles In EA: 1 bottle
	JRR
	SIGNATURE: VM/MR RECEIVED BY: 1 Namu E. Rona

ABB ENVIRONMENTAL SERVICES, INC
FIELD DATA RECORD - SEDIMENT FIELD SAMPLING NUMBER P9110903
PROJECT USATHAMA-BAAP SITE TYPE RUGR
SITE ID PBS-91-109 JOB NUMBER 6853-04 FILE NAME CSO WEATHER SUDDY, 3-10'S
ACTIVITY START: 0820 END: 0830
SEDIMENT DATA
DEPTH OF SEDIMENT SAMPLE 3-3.5' CLAY GRAVITY CORER POTABLE WATER POTABLE WATER WITH
ORGANIC S.S. HAND SPOON HIGH PRESSURE TYPE OF SAMPLE DISCRETE SILT ALUMINUM PAN DOTHER
COLLECTED LICOMPOSITE GRAVEL LIPLASTIC SCOOP OTHER OTHER DOTHER OTHER DOTHER
SAMPLE OBSERVATIONS COLORED AMBIENT O, C PPM LOCATION O, O PPM PH - UNITS
ANALYTICAL PARAMETERS
METHOD PRESERVATION VOLUME SAMPLE
NUMBER METHOD REQUIRED COLLECTED SAMPLE BOTTLE 1D NUMBERS
4 DEG C 4 DEG C
CR
DETCLE METALS (SPECIFIED RELOW) & DEG C %C W & 44 / / /
LIGEDA 750 2 / DEC C
TOC USEPA CF-81-1 4 DEG C
*M VOC LM23 4 DEG C 67 / 68 / / /
ING LW27 4 DEG C
NONT LW23 4 DEG C TO
NOS * THESE ARE DATACHEM METHODS. EA METHODS: VOC LM17, LM26 (LOCATION SKETCH) B/NA LM20
PP METALS (PRIORITY POLLUTANT): AG, AS, BE, CD, CR, CU, PB, HG, NI, SB, SE, TL, ZN. JS12, B9, JD21, JD20, Y9.
TCLP METALS: CD, CR, HG, PB. JS12, 40 CFR 261.24
DC: 4 bottles
- 4TH + final attempt to get through racks i debris.
)
SIGNATURE: VM/MC

RECEIVED BY:

Appendix D.3 Monitoring Well Construction Diagrams

W0039213D.APP 6853-12

ABB Environmental Services, Inc.

MONITORING WELL CONSTRUCTION FOR

Facility/Project Name	Crid Location		Weil Name	
BADER AAP		ft [] N. [] S.	PBP-91-02D	
Facility License, Permit or Monitoring Number		_ ft E W.		DNR Well Number
Type of Weil Water Table Observation Weil 11	Section Location	0.2	Date Weil installed / 0 /	14191
Piezometer ET2 Distance Well Is From WasterSource Boundary	NE 1/4 01 NUV14		m m	14131
Dutance Well is From Waste/Source Bollandy NA ft.	T_10 N.R_10 D	ZE O W	Weil Installed By: (Person's Nat G Robert Cutz	me and rum)
Is Weil A Point of Entorcement Sid. Application?	Location of Weil delative to	☐ Sidegratient	_ o registerer E	
☐ Yes		☐ Not Known	LAYNE	
A. Protective pipe, top elevation _ \$50 LQ	fL MSL	I. Cap and lo		GYs O No
B. Well casing, top elevation		2. Protective		Q4.9±
C. Lind surface elevation _842.6	r MSL	b. Length:		Q & . Q ft. Steel EP 0 =
D. Surface seal bottom ft MSL or		N. C. C.	•	Other 🛘
12 USCS classification of soil near screen:		d Addition	ral protection?	PYs D No
GP GM GC DCW GS GS GSP		II yes d	escribe BUCKING POST	<u>s</u>
D SM D SC DML DMH D CL D CH		3. Surface se	u:	Benionite D 3.
13. Sieve analysis attached? Yes	% \			Other 🗆
14. Drilling method used: Rotary	so 🔪 🧱	4. Masenal be	rween weil casing and protective p	pipe:
Hollow Stern Auger		1		Bentonite 🔲 3:
DUAL WALL OTHE D			Armular s	space seal
15 Drilling fluid used: Water 07-02 Air 12	<u>, </u>	<u> </u>		_ Other 🛚
15. Drilling fluid used: Water 2702 Air 27 Drilling Mud 1103 None 12	· · · · · · · · · · · · · · · · · · ·	S. Armular sq		Bentonite [] 3:
Stand Mar 1			x/gal mud weight Bentonite-sa	
16. Drilling additives used? Yes			s/gal mud weight Benson: Bensonite Bensonite-cem	
			Fr volume added for any of :	
Describe	💹 🗒	How sistal		Tremie 🔲 0:
17. Source of water (attach malysis):	l 🕍 🖁		Tremie	pumped 🔲 0:
PRODUCTION WELL # 2				Ganty 🖭 0 3
(07/		, 6. Benwnite :		s granules 🔲 3 🗓
E Bentonite seal top 627 6th MSL or 23		C1/4	in 03/8 in 01/2 in Benom	ice pellets [3]
F. Fine sand, top ft. MSL or	20.0 %		BANTONITE BUBLE Manufacturer, product 1	
G. Filter pack top 6/7 6 ft MSL or 23		Volume ad	ded ft ³	
		8. Filter pack	***	name and mesh size
H. Well screen, top 605 & t. MSL or 2 4	11.8 0	/ C0101	WAS SILICE SAN'	5 #4
		Voiume ad	-	
L Well screen, bottom _5958ft MSL or25	1.3~ 層	9. Well casir	•	
J. Filter pack, bottom _594 1 ft. MSL = 25			Flush threaded PVC scho	
		10. Screen ma	terial: PVC SCH 40	_ Other LI :
K. Borehole, bostom _ 594 L ft. MSL or 2 5	53 5 a.	Screen typ		actory out 11
& Borenoist commit				10 🗆 sots aroun
L. Borehole, diameter 07 0 in.	\ <u>\\\</u>	`		Other 🛛 🚆
	•		TYMCO	
M. O.D. well casing QIEE in.		Slot size:		. <u>91 9</u> in 1 <u>9 . 91</u>
		Sloated let		
N. LD. well casing Q1.10 in.		`ll. Backfill m	aterial (below filter pack):	None 12
I hereby certify that the information on this	e form is this and con	ect to the heet of a	w knowledge	_ (vna -
Signature	s form is true and con	are in the nest of th		
That IC Husball	, <i>M</i>	15 - ES	<u> </u>	

ABB Environmental Services,	inc.	MONI	TORING WELL COI ص	STRUCTI	D'
Facility/Project Name	Grid Location		(Weil Name		
BADUER AAP	•	ft. □ N. □ S.	PBN-91-00	ے	
Faculty License, Permit or Monitoring Number			Wis. Unique Weil Numo		il Nurr
Tilly Literat, I willist to install		ft		A DIVE	
ype of Weil Water Tagie Observation Weil [] 11	Minerana Lacation		Date Weil installed		
	15 215		Date well libration	10/22/9 mm/aa/v	
Piezometer ETQ	NE 1/4 01 NW	1/4 of Section		तत्त वव र	<u>v</u>
distance Well is From WasterSource Boundary	T 10 N. R (2	Mar Clw	Weil installed By: 1Pers		m)
NA ft.	Location of Well 14:300	ve to Waster Source	GABBY K	520-0152c	
s Weil A Point of Enforcement Sig. Application?	Location of Well Asiati	☐ Sidegradies	1		
☐ Yes	Downgracient	☐ Not Known	LAME		
Protective pipe, top elevation _ 848.43	ft MSL	I. Cap and id	xck?	PYS	
care of	=	2. Protective			_
B. Weil casing, top elevation848_21	R MSL	Lirside di		^	60
0.110	1			-	
Land surface elevation _ \$46.1	L W2L	b. Length:			60
). Surface seal bottom ft. MSL or _	- 6	c. Materia	Ŀ		1 1 L
				Cther	
12 USCS classification of soil near screen:	1	A Addition	nal protection? Asscribe: 4 Bucasing	-> E-Ye	
□ GP □ GM □ CC □ GW ■ SW □ SP		Lyes, o	escribe 4 BUCKING	TOSTS	<u> </u>
D SM D SC DML DMH DC. DCH			_	Benronire	□ 3
□ Bedrock	. \ ∰	3. Surface se	ıi:	Concrete	
3. Sieve analysis attached? 🔲 Yes 💢	1√6 \ ∰				
	۲۰ ک	2		Other	ш.
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	, 4' Waterat o	erween well casing and pro	• •	
Hollow Stem Auger	<u>41</u> \			Benonie	
VAL WALL Other III			A	namiat abace seal	
_				Other	
5. Drilling fluid used: Water 12/02 Air 12		5. Armile s	race seal: G	ranular Bentonita	
Drilling Mnd 🖸 03 None 🚨	99 22		s/gal mud weight Ben	conite-sand share	
			se/gal mud weight		
6. Drilling additives used? 🔲 Yes 🖳 🖫	%		Bentonia Benton		
		300			
Describe				•	
7. Source of water (attach analysis):		How instal	lea:	Tremie	
				Tremie pumped	
PRODUCTION WELL #2				Gravity	P 0
		6. Bentonite	east: R.	entonite ganules	□ 3
Bensonite seal, top _488 / ft MSL or /	580 . 💥		in D3/8 in D1/2 in.	_	
Bentomia seal, top _4 2 2 . L to made of 2.	= = :- :- :		STONITE POW		T .
- 4 1/01					
Fine sand, top ft. MSL or -	二 一 /	7. Fine sand	material: Manufacturer, p	koqrict unuse and a	wen v
1181		No.			
Filter pack top 666 1 ft MSL or [280 m	Volume ad	ded (3	_
•		8. Filter pack	merial: Manufacturer.;	goduci name and	mesh s
Well screen, top _4553 ft. MSL or 7	908 m		ADD SILICA SANT		
Mentance of Targin		Voiume at		5	-
Well screen, bostom 645 3 ft. MSL or 20		9. Well casir		VC schedule 40	□ 2
Well screen, bostom _675 .3 ft. MSL or 20	·- ·-	9. Well Cash	•		
6451			Proper descript P	VC schedule 80	
Filter pack, bodom 445/ ft MSL or 24	576 m			Other	
13/1		→ 10. Screen :na	eriai: SCU 80 P	<u>vc</u>	
Borehole, bottom 6261 ft. MSL or2	20 0 m	Screen typ		Factory cut	1
				Consinuous slot	
Borehole, diameter 09 6 in.	\22	24		Other	
Borehole diameter 07 0 in		14	- marable v		
			MONOPICX		01 0
O.D. well casing 04,25 in.		Shot size:			
		Slotted len	~		
			aterial (below filter pack):		

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

| First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | First | Firs

₹ 1, ··

ABB Environmental Services, inc.

MONITORING WELL CONSTRUCTION FOR:

Facility/Project Name	Cnd Location		Weil Name	
BADGER AAP		fL □ N. □ S.	PBN- 91-0615	
raciuty L.cense. Permit or Monitoring Number	er	fr [] E. [] W.		Well Number
Type of Weil Water Table Observation Weil			Date Weil installed	
	1/4 oi NW	1/4 of Section 23	#유/ 실루	/₹.
Distance Weil is from WasterSource Houndary	T 10 N.R 12	ZE CIW	Well installed By: (Person's Name an	d rum)
Is Weil A Point of Entorcement Std. Application	Land I Ocation of Was a server	e to WasterSource	6 RODRIWIZ	
O Yes Cor.	1 = 775	Not Known	LAYNE	
A. Protective pipe, top elevation _847.6	E ft. MSL	I. Cap and lo	ck?	Yes O No
B. Weil casing, top elevation _842.5	n MSL	2 Protective 2 Inside di		060:-
C. Land surface elevation _ \$45.8	r MSL	b. Length:		Q ≨ . Q in. Q ≨ . Q ft.
D. Surface seal bottom ft. MSL or		c Material		eel 😉 0 ÷
12 USCS classification of soil near screen:		d Addition		her□ Yes□-No
GP GM GC GGW GSW GS	PH \	If yes, d	escribe 4 BUCKING POSTS	
☐ Bedrock	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	3. Surface sea	<u> </u>	nine 🔲 3.9 rene 🚨 0.1
13. Sieve analysis attached?				neze La v. her D
14. Drilling method used: Rotzry	□ 50 · \	4. Marcal be	tween weil casing and protective piper	
Hollow Stem Auger	241		Benton	nise 🗆 30
DUAL WALL Other	Per \		Armular space s	=
	22 0 1	\ \		her 🗆 nize 🗆 33
Drilling Mud 🔲 03 None	3 99 3	5. Amulæ sp	ice seat: Cramuar penton L'gal mud weight Bentonite-sand sit	
16. Drilling additives used? Yes			vgai mud weight Benconce slur	
i le. Drilling schildves user:	2 % 2	10 %	Bentonite Bentonite-cement gra	
Describe			Ft ³ volume added for any of the abo	
17. Source of water (attach analysis):		How restable		nis 🔲 0:
PRODUCTION WILL # Z	# # #		Tremie pumpe	ed [] 0: isy [] 03
		6. Benwaite se		
E Bentonite seal, top 440 & ft. MSL or 3	050 1	o. Denichiz s	eal: Bentonite granui n. 🖂 3/8 in. 🖂 1/2 in. Bentonite peile	=
		Ren	ONITS POWDER ON	ets 🔲 32 er 🖂
F. Fine sand, top ft. MSL or	201 199 201 199		naterial: Manufacturer, product name a	
G. Filter pack, top	250 0	Volume add	ed Ser P.R. AJ	·
LOUIS AND THE		8. Filter pack	naterial: Manufacturer, product name a	and mesh size
H. Weil screen, top 694 & ft. MSL or 2			ADO SILLA SOND #4	
L Well screen, bottom 594 &ft. MSL or 2	SIA A	Voiume add 9. Well casins	· · · · · · · · · · · · · · · · · · ·	M = 33
		y. wed casing	Flush threaded PVC schedule 3	
J. Filter pack, bottom _594.8 ft. MSL or 2	51.e n		Oth	
K. Borchole, bottom _575.8ft. MSL or 2		10. Screen mate	rial: SCH 80 PVC	
K. Borehole, bottom -273.2 ft. MSL or 2	27.0 g	Screen type		
I Bambala Kamara - A A A		§	Continuous si	
L Borehole, diameter 290 in.		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		ier 🛛 📜
M. O.D. well casing Q45 in.		Manufacture Slot size:	MONO FLEX	0. 010 in.
-		Slotted leng	th:	Lo a fi.
N. LD. well casing 03.75 in.		11. Backfill man	• •	ne 🖭
I nereby certify that the information on t	hie form is this see see	enet to the best of =	Oth	<u> </u>
Signate // L	(Fam.		KNOWIEGGE.	
(Kerel Kee No.)	DRB-	<i>E</i> S		

it

Facility/Project Name	ind Location		Weil Name	
BADUEL AAP		ft. 🖂 N. 🗀 S.	PBU-91-12C	
Facility License, Permit or Monitoring Number			Wis Unique Weil Number	LNR Well No
<i>N</i>		ft. [] E. [] W.		1.0
Type of West Water Table Observation Weil Dall	ection Location	೧೨	Date Weil installed / 0	174101
Piezometer P12	NE 1/4 of NW 1	14 of Section		/ <u>루큐</u> / 흡 휴
Distance Weil is From Wastersource Boundary	T 10 N.R 6		Weil installed By: (Person's ?	
. /*/~ 11. 17	OCATION OF Well ASIAtive	to WasterSource	LAYNE ENVIRO	MARKAL
Is Weil A Point of Entorcement Str. Application!	Upgrazier:	☐ 2megrapest	G (SONOWEZ	
		Not Known 1. Cap and lo		gys C No
A. Protective pipe, top elevation _85442 ft.	War	2. Protective		R 18 U 70
B. Weil casing, top elevation _ 854 42 ft.	MSL —	a Inside di	• •	٠ . ٥٥
C. Land surface elevation _852.2 p	MSL_	b. Length:	·-	٠. ١
		c. Materia	Ŀ	Sized 12 0
D. Surface seal, bottom ft. MSL or	- "		· · · · · · · · · · · · · · · · · · ·	Other 🗓 _
12 USCS classification of soil near screen:	, The state of the	A vodicio	ral protection?	PYS D
		II / II year o	Raipey Process 10717	
□ Betock	\ `a	3. Sur: 320 See	ાં :	Benionite C
13. Sieve analysis anached? Yes No	, \ 劉	X		Concrete C
14. Drilling method used: Rotary D 5	\ 924 i	4. Marcial b	stween well casing and protective	
Hollow Stem Auger 4	ı \ 👹			Bentonite [
DUAL WALL Other E	\ X		Armia	ur space seal
	````````\ <b>!!</b>			Other 🛘
15. Drilling fluid used: Warr 1902 Air 200	1	5. Armular sp	ace sest: Granui:	ar Bentonite
Drilling Mud 🗆 03 None 🗆 9	<b>,                                    </b>		s/gal mud weight Benomiz	:-sand shu
16. Drilling additives used?		₩ L	s/gal mud weight Bent	ionite slum.
16. Drilling additives used?		<u></u>	Bentonite Bentonite c	ement grout 📴 🗥
Describe			Ft ³ volume added for any o	
17. Source of water (attach analysis):	_   #	How install		Tremie 🗆
PROSUCTION WELL # 2			) (G:	eie pumped □ 0 : Gavay 🖼 ^
TICOBUCTION TEECE	<del></del> ##		_	·
22274 101 / 30	00 6	6. Benunite :		nice granules 🔲 :
E Bentonite seal, top _722.2 ft. MSL or /3			in 13/8 in 11/2 in Benu 1001 TE POWER	
F. Fine send, top ft_ MSL or	_ , \ 劉!	m / ——		
F. Fine sand, top	··- "/ / 圈	٨٩٨	material: Manufacturer, produc S	et tratte and ideas ?
G. Filter pack, top 7022ft MSL or 250		Volume ad		
G. Filter peace, usp			material: Manufacturer, produ	es name and mesh
H. Well screen, top 678 9 ft. MSL or 173	4 m H	CSS.		. 1 . 2 . 2
•		Volume at		
L Well screen, bottom 4688 R. MSL or 183		9. Well casin	g: Flush threaded PVC se	chedule 40 🔲 2
11 G Ca			Flush threaded PVC se	
J. Filter pack, bottom _4688 ft. MSL or / 83	· 4 c			Other 🖽 🗓
K Rosphole horrow 452 2th MSL or 200		10. Screen ma		<u>nc 40</u>
K. Borehole, bottom MSL or 2	= "\	Screen typ	<del>-</del>	Factory out
••		<b>3</b>	Com	tinuous slot 🔲 🐧
L. Borehole, diameter 07.0 in.		\ .	- 10 G C -	Onber 🖸 💆
M OD well casing 0425 in.		Manufacun Slot size:	MONOFIER	0.010
M. O.D. well casing 29.23 in.		Sloged len	eth:	۲٠٠٥.
N. LD. well casing 03 75 in.		\	aterial (below filter pack):	None 🖸
N. LD. well casing Q3.72 in.			SEDIMENT	
I hereby certify that the information on this	form is true and do			
Signature Signature				

## ABB Environmental Services, Inc.

### MONITORING WELL CONSTRUCTION FORM

Facility/Project Name	Grid Location	<del></del>	Weil Name	
BADLER AAP		ft □ N. □ S.	PBN-91- 621	>
Faculty License, Permit or Monitoring Number	0-	ft. C E. C W.	Wis. Unique Weil Number	DNR weil Numbe
Type of Weil Water Tanie Observation Weil	Section Location		Date Weil installed	
Piezometer PC	1	1/4 of Service 23		1/4/9/
Distance Well is From Wasterbource Boundary	1		Well installed By: (Person s	Name and ritth
NA ft.	T_10_N.R_13	Ø E □ W	6 RODRIGUE	2
Is Weil A Point of Entorcement Sig. Application?	Location of Weil Relative	☐ SideBadiest ☐ Resite\2007cs		Ψ
C Ys P %	Downgradient	☐ Not Known	LAYNE	
A. Protective pipe, top elevation _ 853.4%		I. Cap and lo		GYE D %
B. Weil casing, top elevation 853,29	r MSL	2. Protective		
	- ver	b. Langth:		<b>Q &amp; .O</b> in.
	انبير	c Material		<b>0.6.0</b> ft. Steel 1227 0.4
D. Surface seal bottom ft MSL or			•	Other 🖸
12. USCS classification of soil near screen:		d Addition	nal protection?	EYS D No
GE GW GC CGW ESW GSP		If yes, d	escribe 4 BUCKENG 7	3,573
D SM D SC DML DMH DC DCH	<b>/</b>	3. Surrace sea	.).	Bensonite 🗆 30
	. \ 💥	). Sui. Le sei	4.	Concrete 0 0:
i	~ \	<b>X</b>		Other 🔲
14. Drilling method used: Rotary 1	\ M4	`4. Matemai be	tween well casing and protect	• •
Hollow Stem Auger D				Bentonite 30
DUAL WALL Other 19	· \		Armul	ar space seal 😉
15. Drilling fluid used: Warr 1902 Air 19	oı 🔛 🛱			Other 🛄
Drilling Mud   03 None	99   👹	5. Annular sp		iar Bentonite
		—— ¦	s/gal mud weight Bentonic s/gal mud weight Ben	-
16. Drilling additives used?	6   💥	10 %	Bentonite Bentonite -	
D	) 🚟 [	400	Ft 3 volume added for my	
Describe 17. Source of water (attach analysis):	(	How install		Tremie 🔲 0:
			Trea	nie pumped 🔲 0 🗅
TRADUCTION WELL # 2	<u></u> ▓			Gravity 🔁 0 3
/11/3		, 6. Benunite s	eal: Benton	nice granules 🔲 33
E. Bensonize seal top _6742 ft. MSL or 27	I.o & 🖁	□14 i	n.   13/8 in.   1/2 in. Bent	
- A Met			NTONITE POWDE	
F. Fine sand, top ft. MSL or	7.0 0	6. Bentonite sp  C1/4 is  7. Fine sand m	naterial: Manufactures, produ	ct name and mesh size
G. Filter pack, top 4542 ft. MSL or 49	70 L N	Volume add	ed k3	····
2	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		material: Manufacturer, produ	er name and meek 27%
H. Well screen, top _430.2 ft. MSL or 22.	10 m	مامک		
•		Vogume add		
L Well screen, bottom _620 Zft MSL or 23	10 0	9. Well casing	· · · ·	chedule 40 🔲 23
/202			Flush threaded PVC s	chedule 80 😰 24
J. Filter pack, bottom _620.2ft MSL or 23	i o r			Other 🚨 🗓
K. Borehole, bottom 620 Z ft. MSL or 23	10.	10. Screen man		
K. Borehole, bostom it MSL or 23		Screen type		Factory cut 2 11
I Bambala diagram and A :		<b>a</b>	Cons	1 0 D solts snounti
L. Borehole, diameter Q1.9 in.		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	- MANAGERY	Other 🛚 🛴
M. O.D. well casing O.Y. 25 in.		Manufacture Slot size:	MONOFILE	0. <u>01. Q</u> in.
are are used and a Time at		Slotted leng	rth:	( <u>0</u> .0 ft
N. LD. well casing Q3 子芝 in.		` `	terial (below filter pack):	None D
				Other 🗆
I hereby certify that the information on this	form is true and cor	rect to the best of my	knowledge.	
Signature CA CO	Film a so			

Dipartment of Natural Recourses   Form 4400-113   8-39	State of Wisconsin		M	ONTORING WELL CONSTR	UCTION	
SPACE AREA   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE   SPACE	Department of Natural Resources			rm 4400-113A	8-89	
Topic   Well   Water Table Observation   Well   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuous   Discontinuou	Facility/Project Name	A			'	
Type of Well   Water Table Observation   Well			☑ N. □ S.		AND EVERY PORTER	
Describe   Well a From Wasspoorce Boundary   Table of   1/4 of Section   Well Around Proceedings   Table of   1/4 of Section   Well Around Proceedings   Table of   1/4 of Section   Well Around Proceedings   Table of   1/4 of Section   Well Around Proceedings   Table of   1/4 of Section   Well Around Proceedings   Table of   1/4 of Section   Well Around Proceedings   Table of   1/4 of Section   Well Around Proceedings   Table of   1/4 of Section   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Around Proceedings   Well Ar	Facility License, Permit or Monitoring Number	27-705-Y	■ E. □ W.	Wis. Unique Well Number	DNK WELL NE	IIID
Dissures Well is From Vasua/Source Boundary  A. R. B. B. W. W. M. Colling of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications of Well Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applications    If Well A Flore of Enforcement Std. Applica	Type of Well Water Table Observation Well [1]	Section Location			22 + 25	_
Distance Well is From Waste/Source Bouncary   T   N. R   Distance Well is From Vaste/Source   Distance Well is From Vaste/Source   Distance Well is From Vaste/Source   Distance Well is From Vaste/Source   Distance Well is From Vaste/Source   Distance Well is From Vaste/Source   Distance Well is From Vaste/Source   Distance Well is From Vaste/Source   Distance Well is From Vaste/Source   Distance Well is From Vaste/Source   Distance Well is From Vaste/Source   Distance Well is From Vaste/Source   Distance Well is From Vaste/Source   Distance Well is From Vaste/Source   Distance Well is From Vaste/Source Well is From Vaste/Source   Distance Well is From Vaste/Source   Distance Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is From Vaste/Source Well is		1/4 of 1/4 of Sect	ion .		·\ <del>\</del> \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lower   Lowe						
Swell A Point of Enforcement 3rd. Application   Dyspections   Dyspectic	NA ft.			J Showien / E.C.	JORNAN (	<u>-o.</u>
Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Downstries   Dow	Is Well A Point of Enforcement Sid. Application?	Upgradient Sid	egracient			
New   Contractive page   Properties   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   New   Ne	🛛 Yes 💆 No					<u> </u>
B. Well casing, top elevation	A. Protective pipe, top elevation _833.43 ft	MSL	•		🛛 Ye 🛮	No
C. Land surface seal: bottom	R. Well casing, top elevation _872.33 ft	. MSL		• •	6.4	C in
Surface seal, bottom	610 0 4	Ver I				_
12 USCS classification of soil near screen:   12 USCS classification of soil near screen:   13 USCS   14 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15 USCS   15	<del></del>		•			
GP   GM   GC   SW   SW   SP   SN   SS   SN   SC   SN   SC   SN   SC   SN   SC   SN   SC   SN   SC   SN   SC   SN   SC   SN   SC   SN   SC   SN   SC   SN   SC   SN   SC   SN   SC   SN   SC   SN   SC   SN   SC   SN   SC   SN   SC   SN   SC   SN   SC   SN   SC   SN   SC   SN   SC   SN   SC   SN   SC   SN   SC   SN   SC   SN   SC   SN   SC   SN   SC   SN   SC   SN   SC   SN   SC   SN   SC   SN   SN	D. Surface seal, bottom ft_ MSL or	1	<u> </u>		Other 🛘	
SM   SC   ML   MH   CL   CH						
Descripts attached?   Yes   No   No   No   Other		/ / / / / / / /	If yes,	tescribe 4 Bucking 305	ARCUMY THE WE	_
13. Sieve analysis attached?		/ 滑圈/	3. Surface se	ai:		
G. Filter pack, top		. \		1.		0 3
G. Filter pack, top		° / 📓				
G. Filter pack, top	_	· \	· 4. Material D	etweet wen casing and biorecn.	• -	3.0
G. Filter pack, top				Annul		,.
G. Filter pack, top	DUAL WALL	) <b>     </b>	GROU		• —	
G. Filter pack, top	15. Drilling fluid used: Water 🔲 02 Air 🚨 0	)1				33
G. Filter pack, top	Drilling Mud 🗆 03 None 🗆 9	9	L	bs/gal mud weight Bentonit	e-sand shirry	
G. Filter pack, top			u	bs/gal mud weight Ben	nonite slurry 🔲	
G. Filter pack, top	10. Drilling additives used? Li Yes DE N	°   📓 🗒		1.	_	50
G. Filter pack, top	Describe 20			<del>,</del>		
G. Filter pack, top			How insul			
G. Filter pack, top					• •	
G. Filter pack, top			- <b>-</b>	, Denta		
G. Filter pack, top		3 (56			-	
G. Filter pack, top	E. Bentonite seal, top _ 42 ± . Q it. MSL or LPL	7.70 m			_	ے د
G. Filter pack, top	F Fine and for A.A ft MSL or AIP	x fr \ 💹 📓 🖊			<del></del>	h size
H. Well screen, top 37 \( \) 1 ft. MSL or \( \) 5 \( \) 9 ft.  I. Well screen, bottom \( \) 7 \( \) 1 ft. MSL or \( \) 5 \( \) 9 ft.  I. Well screen, bottom \( \) 7 \( \) 1 ft. MSL or \( \) 5 \( \) 9 ft.  I. Well screen, bottom \( \) 7 \( \) 1 ft. MSL or \( \) 5 \( \) 9 ft.  I. Well casing: Flush threaded PVC schedule 40 \( \) 23 Flush threaded PVC schedule 80 \( \) 24  I. Filter pack, bottom \( \) 7 \( \) 1 ft. MSL or \( \) 1 \( \) 9 ft.  I. Well casing: Flush threaded PVC schedule 40 \( \) 23  Flush threaded PVC schedule 80 \( \) 24  I. Filter pack, bottom \( \) 7 \( \) 1 ft. MSL or \( \) 1 \( \) 9 ft.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.  I. Borehole, diameter \( \) 9 \( \) in.		( ) ( ) ( ) ( ) ( )	/	W.A		
H. Well screen, top    33   S   1   ft. MSL or 15   9   ft.	G. Filter pack, top 7916 ft. MSL or 141	8.5 ft 13 13 /				
Volume addet de 1, 4 ft ft ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft ft MSL or 1 7 9 9 ft ft ft MSL or 1 7 9 9 ft ft ft MSL or 1 7 9 9 ft ft ft MSL or 1 7 9 9 ft ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft ft MSL or 1 7 9 9 ft ft MSL or 1 7 9 9 ft ft ft MSL or 1 7 9 9 ft ft ft MSL or 1 7 9 9 ft ft ft MSL or 1 7 9 9 ft ft ft ft ft ft ft ft ft ft ft ft ft	• • – – –		8. Filter paci			in size
I. Well screen, bottom $3 \cdot 1 \cdot 0 \cdot 1$ ft. MSL or $1 \cdot 5 \cdot 9 \cdot 9$ ft.  J. Filter pack, bottom $3 \cdot 1 \cdot 0 \cdot 1$ ft. MSL or $1 \cdot 5 \cdot 9 \cdot 9$ ft.  K. Borehole, bottom $3 \cdot 1 \cdot 0 \cdot 1$ ft. MSL or $1 \cdot 5 \cdot 9 \cdot 9$ ft.  L. Borehole, diameter $9 \cdot 9 \cdot 10 \cdot 1$ ft. MSL or $1 \cdot 5 \cdot 9 \cdot 9$ ft.  M. O.D. well casing $9 \cdot 9 \cdot 10 \cdot 10$ ft.  Manufacturer $9 \cdot 9 \cdot 10 \cdot 10$ ft.  Manufacturer $9 \cdot 9 \cdot 10 \cdot 10$ ft.  Manufacturer $9 \cdot 9 \cdot 10 \cdot 10$ ft.  Manufacturer $9 \cdot 9 \cdot 10 \cdot 10$ ft.  Manufacturer $9 \cdot 9 \cdot 10 \cdot 10$ ft.  Manufacturer $9 \cdot 9 \cdot 10 \cdot 10$ ft.  Manufacturer $9 \cdot 9 \cdot 10 \cdot 10$ ft.  Manufacturer $9 \cdot 9 \cdot 10 \cdot 10$ ft.  Manufacturer $9 \cdot 9 \cdot 10 \cdot 10$ ft.  Manufacturer $9 \cdot 9 \cdot 10 \cdot 10$ ft.  Manufacturer $9 \cdot 9 \cdot 10 \cdot 10$ ft.  Manufacturer $9 \cdot 9 \cdot 10 \cdot 10$ ft.  Manufacturer $9 \cdot 9 \cdot 10 \cdot 10$ ft.  Manufacturer $9 \cdot 9 \cdot 10 \cdot 10$ ft.  Manufacturer $9 \cdot 9 \cdot 10 \cdot 10$ ft.  Manufacturer $9 \cdot 9 \cdot 10 \cdot 10$ ft.  Slot size: $9 \cdot 10 \cdot 10 \cdot 10$ ft.  None $9 \cdot 10 \cdot 10 \cdot 10$ ft.  None $9 \cdot 10 \cdot 10 \cdot 10$ ft.  I hereby Cartify that) the information on this form is true and correct to the best of my knowledge.	H. Well screen, top 3315.1 ft. MSL or 15		Bed		ad_	
Flush threaded PVC schedule 80   24	h # 2400				abadula 40. 🗖	~ 3
I. Filter pack, bottom	I. Well screen, bottom _ 31Q ! It MSL or 150	1.9 1	y, Well cast	•••	<del></del>	
K. Borehole, bottom				Liferi diserren i . C :		• •
K. Borehole, bottom 710.1 ft. MSL or 159.9 ft.  L. Borehole, diameter 9.5 in.  Manufacturer 1 incre  Manufacturer 1 incre  Slot size: Slotted length:  N. LD. well casing 1.0 in.  11. Backfill material (below filter pack): None 2.  Other 1.1 hereby Cartify that the information on this form is true and correct to the best of my knowledge.	J. Piller pack. bollom _ 71 9 . L. R. M. C. R. L. 2		10. Screen me	perial: Schedule 804	<del></del>	
Continuous slot	K Rosehole horrorn 710.1 ft. MSL or 15	99 12			Factory cut	11
Manufacturer 1 iour 2  Manufacturer 1 iour 2  Manufacturer 1 iour 2  Slot size: 0. culo in.  N. LD. well casing 1.0 in.  11. Backfill material (below filter pack):  None 5  Other 0	15 Notwigged Agencies — — — — — — — — — — — — — — — — — — —		41		•	•
M. O.D. well casing 4 5 in.  Manufacturer 1 incr Slot size: Slotted length:  Other   I hereby Cartify that the information on this form is true and correct to the best of my knowledge.	L. Borehole, diameter 95 in.				Other 🛚	
M. U.D. well casing1_0_ in.    Slotted length:   Of Off.	<b></b>	\		rer lines		
N. LD. well casing1_0_ in	M. O.D. well casing _4 \leq _ in.	\		n ath.		
Thereby Cartify that the information on this form is true and correct to the best of my knowledge.		· ·	1	•		
I hereby Cartify that the information on this form is true and correct to the best of my knowledge.	N. LD. well casing _1.0_ in.		. 11' Recent w	meant (octom times back):	•	•
	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	form in this and correct to	the heet of a	ny kaowiedae		-(6
	Signature / / / /			ny Miomodys.		_

Please complete and renum both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

C. Land surface elevation 93 L f MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. MSL or ft. ft. MSL or ft. MSL or ft. ft. MSL or ft. ft. MSL or ft. ft. ft. ft. ft. ft. ft. ft. ft.	State of Wisconsin Department of Natural Resources			ONTTORING WELL CON orm 4400-113A	NSTRUCTION 8-89	
\$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2} \text{   \$\frac{1}{2}	Facility/Project Name	Grid Location		Well Name		
Pacific   Linear   Personation   Politic   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation   Personation	BATKER ARMY AMWITTONS PLANT	4000 306 7		10.083-CEG-016	2	
Distance Well is From WasserSource Boundary   1/4 of   1/4 of Section     Well Introlled By: (Promotive Notes and Firm)   1/4 of   1/4 of Section     Well Introlled By: (Promotive Notes and Firm)   1/4 of   1/4 of Section     Well Introlled By: (Promotive Notes and Firm)   1/4 of   1/4 of Section     Well Introlled By: (Promotive Notes and Firm)   1/4 of   1/4 of Section     Well Introlled By: (Promotive Notes and Firm)   1/4 of   1/4 of Section     Well Introlled By: (Promotive Notes and Firm)   1/4 of   1/4 of Section       Well Introlled By: (Promotive Notes and Firm)   1/4 of   1/4 of Section				WW		Number
1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1/4 of   1	Type of Well Water Table Observation Well [1]	Section Location	<del> </del>	Date Well Installed		
Describe   Persons Name and From   N. R.   Describe   Persons Name and From   N. R.   Describe   Persons Name and From   N. R.   Describe   Persons Name and From   Persons Name and From   Persons Name and From   Persons   Persons Name and From   Persons   Persons Name and From   Persons   Persons Name and From   Persons   Persons Name and From   Persons   Persons Name and From   Persons   Persons Name and From   Persons   Persons Name and From   Persons   Persons Name and From   Persons   Persons Name and From   Persons   Persons Name and From   Persons   Persons Name and From   Persons   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons Name and From   Persons	.)po or		1/4 of Section	1	유뉴/급급/당극	<del>1</del>
Swell A Fount of Enforcement Stat. Applications   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canada   Canad				Weil Installed By: (Per	son's Name and Furn	n)
Well A Font of Entorcement Stat. Applications   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per   Described   Per	•^^	TN, R	DEDW			
Protective pipe, top elevation   D-38 2.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL   D-38 3.9 ft. MSL			e to Waste/Source			
A. Protective pips, top elevation				İ		
B. Well casing, top elevation 875.0 & ft. MSL  C. Land surface selevation 975.0 & ft. MSL  D. Surface seal bottom ft. MSL or 10 ft.  12 USCS classification of soil new screen:  12 USCS classification of soil new screen:  13 Sieva snahysis stratched?   Yes   SNo    14. Drilling method used:  Rotary   50    Hollow Stem Auger   41    DDAL CADAL   Act   01    Describe   15. Drilling fluid used: Waser   02 Ar   01    Describe   17. Source of water (strach snahysis):  The stand top   AA   ft. MSL or 10   0    Fine sand, top   683 5 ft. MSL or 10   0    Filter pack, top   657 5 ft. MSL or 10   1   1    Well screen, top   657 5 ft. MSL or 10   1   1    Well screen, top   657 5 ft. MSL or 10   1   1    Filter pack, bottom   657 5 ft. MSL or 10   1   1    Well screen, top   677 5 ft. MSL or 10   1   1    Filter pack, bottom   657 5 ft. MSL or 10   1   1    Well screen, top   657 5 ft. MSL or 10   1   1    Filter pack, bottom   657 5 ft. MSL or 10   1   1    Well screen, top   657 5 ft. MSL or 10   1   1    Well screen, top   657 5 ft. MSL or 10   1   1    Well screen, top   657 5 ft. MSL or 10   1   1    Well screen, top   657 5 ft. MSL or 10   1    Filter pack, bottom   657 5 ft. MSL or 10   1    Well screen, top   657 5 ft. MSL or 10   1    Well screen, top   657 5 ft. MSL or 10   1    Well screen, top   657 5 ft. MSL or 10   1    Well screen, top   657 5 ft. MSL or 10   1    Well screen, top   657 5 ft. MSL or 10   1    Well screen, top   657 5 ft. MSL or 10   1    Well screen, top   657 5 ft. MSL or 10   1    Well screen, top   657 5 ft. MSL or 10   1    Well screen, top   657 5 ft. MSL or 10   1    Well screen, top   657 5 ft. MSL or 10   1    Well screen, top   657 5 ft. MSL or 10   1    Well screen, top   657 5 ft. MSL or 10   1    Well screen, top   657 5 ft. MSL or 10   1    Well screen, top   657 5 ft. MSL or 10   1    Well casing   1    Well casing   1    Well casing   1    Well casing   1    Well casing   1    Well casing   1    Well casing   1    Well casing   1    Well casing   1    Well casing   1    Well			1. Cap and 1		Ø Yes [	] No
C. Land surface elevation 915.5 P. MSL  D. Surface seal, bottom f. MSL or f. MSL or f. MSL or f. Material:  Seed 104  Additional protection?   Yes   No	B. Well casing, top elevation _ 878.06 ft.	. MSL ———	a Inside of	• •	,	60 in
D. Surface seal: Steel 2 04    Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Contr		11				
D. Surface seal bottom	C. Land surface elevation875 .5 P	.MDL	11			
12 USCS classification of soil near screen:   Q   Q   Q   Q   Q   Q   Q   Q   Q	D. Surface seal, bottom ft. MSL or	_ ft	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	-	_	
Section   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue			<b>  「                                   </b>	mal protection?		
SM SC   ML   MH   CL   CH   Stemany   30   30   13. Surface seal:   Surface seal:   Concrete   30   30   30   30   30   30   30   3		1 / M	If we	describe: 4 BUCKING R		
Bedrootk   Surface seal:   Concrete   O1	SM DSC DML DMH DCL DCH		TH / /			
15. Drilling Mud   10.3 None   19.9   16. Drilling Mud   10.3 None   19.9   16. Drilling Mud   10.3 None   19.9   16. Drilling additives used?   17.5 ourse of water (attach analysis):    Describe		\ <b>\</b>	3. Surface se	eal:		
15. Drilling Muid used: Waser   0.2 Air   0.1 Drilling Muid   0.3 None   9.9	·	, \	Casus	PAN W CEMENT . PL		
15. Drilling Muid   10.2   Air   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10	·	· \	4 Material			
15. Drilling Muid   10.2   Air   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10	[	· \			• •	3 3 0
15. Drilling Muid   10.2   Air   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10.1   10	M_ 60 ∞	·········· \				
15. Drilling Muid   10.2 Air   10.2   10.1   10.2   10.2   10.3   10.3   10.4   10.3   10.4   10.3   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5	DUAL CUALL	\ <b>\</b>	Co.		•	
16. Drilling additives used?   Yes   16 No   17 Source of water (attach analysis):   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie	! 15 Drilling fluid used Water 17 0.2	, i 👹				
16. Drilling additives used?   Yes   16 No   17 Source of water (attach analysis):   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie   10 1   Tremie	Drilling Mud 🗆 03 Nove 🗆 9	ا ا	3. Annuar s			
Describe  17. Source of water (attach analysis):    Tremis	Transfer or Fig. 1	] 👹	<b>—</b> :			_
Describe  17. Source of water (attach analysis):    Tremis	, 16. Drilling additives used?	.   👹				
How installed: Tremie   01		💹	4 450	vohuma addad for	rany of the shove	
Tremie parmed \$\begin{align*}{80} 0.2 \\ \text{Gravity} \cup 0.8 \\ \text{E Bentonite seal, top}  6.87 \text{ ft. MSL or } \frac{1}{2} \text{O.9 ft.} \\ \text{Fine sand, top}  \frac{1}{2} \text{ ft. MSL or } \frac{1}{2} \text{O.9 ft.} \\ \text{G. Filter pack, top}  \frac{6.77}{3} \text{ ft. MSL or } \frac{1}{2} \text{O.9 ft.} \\ \text{Volume added}  \text{NAM ft. MSL or } \frac{1}{2} \text{O.9 ft.} \\ \text{Volume added}  \text{NAM ft.} \\ \text{MSL or } \frac{1}{2} \text{O.9 ft.} \\ \text{Volume added}  \text{NAM ft.} \\ \text{Volume added}  \text{NAM ft.} \\ \text{Volume added}  \text{NAM ft.} \\ \text{Volume added}  \text{NAM ft.} \\ \text{Volume added}  \text{NAM ft.} \\ \text{Volume added}  \text{NAM ft.} \\ \text{Volume added}  \text{NAM ft.} \\ \text{Volume added}  \text{NAM ft.} \\ \text{Volume added}  \text{NAM ft.} \\ \text{Volume added}  \text{NAM ft.} \\ \text{Volume added}  \text{VC schedule}  40   23 \\ \text{Flush threaded PVC schedule}  80   24 \\ \text{Volume added}   \text{VC schedule}  80   24 \\ \text{Volume added}   \text{VC schedule}  80                                                                                                                                         \qua	Describe	💹				<b>3</b> 01
Gravity 08  E. Bentonite seal, top 687.5 ft. MSL or 170.0 ft.  5. Fine sand, top NA ft. MSL or NA ft.  Well screen, top 677.5 ft. MSL or 193.1 ft.  Well screen, bottom 659.4 ft. MSL or 198.1 ft.  Well screen, bottom 659.4 ft. MSL or 198.1 ft.  Well screen, bottom 659.4 ft. MSL or 198.1 ft.  Well screen, bottom 659.5 ft. MSL or 198.1 ft.  Well screen, bottom 659.5 ft. MSL or 198.1 ft.  Well screen, bottom 659.5 ft. MSL or 198.1 ft.  Well screen, bottom 659.5 ft. MSL or 198.1 ft.  Well screen, bottom 659.5 ft. MSL or 198.1 ft.  Well casing: Flush threaded PVC schedule 80 ft.  Screen material: School 80 ft.  Well casing: Flush threaded PVC schedule 80 ft.  Well casing: Flush threaded PVC schedule 80 ft.  Well casing: Flush threaded PVC schedule 80 ft.  Well casing: Flush threaded PVC schedule 80 ft.  Well casing: Flush threaded PVC schedule 80 ft.  Well casing: Flush threaded PVC schedule 80 ft.  Well casing: Flush threaded PVC schedule 80 ft.  Well casing: Flush threaded PVC schedule 80 ft.  Well casing: Flush threaded PVC schedule 80 ft.  Well casing: Flush threaded PVC schedule 80 ft.  Well casing: Flush threaded PVC schedule 80 ft.  Well casing: Flush threaded PVC schedule 80 ft.  Well casing: Flush threaded PVC schedule 80 ft.  Well casing: Flush threaded PVC schedule 80 ft.  Well casing: Flush threaded PVC schedule 80 ft.  Well casing: Flush threaded PVC schedule 80 ft.  Well casing: Flush threaded PVC schedule 80 ft.  Well casing: Flush threaded PVC schedule 80 ft.  Well casing: Flush threaded PVC schedule 80 ft.  Well casing: Flush threaded PVC schedule 80 ft.  Well casing: Flush threaded PVC schedule 80 ft.  Well casing: Flush threaded PVC schedule 80 ft.  Well casing: Flush threaded PVC schedule 40 ft.  Well casing: Flush threaded PVC schedule 40 ft.  Well casing: Flush threaded PVC schedule 40 ft.  Well casing: Flush threaded PVC schedule 40 ft.  Well casing: Flush threaded PVC schedule 40 ft.  Well casing: Menutarial: Manufacturer, product name and mesh size 40 ft.  Well screen, by the file ft.  Well c	17. Source of water (attach analysis):	( 👹			_	
E. Bentonite seal, top 687 5 ft. MSL or 170 0 ft.  F. Fine sand, top NA ft. MSL or 180 0 ft.  G. Filter pack, top 677 5 ft. MSL or 180 0 ft.  I. Well screen, top 689 4 ft. MSL or 193 1 ft.  I. Well screen, bottom 659 4 ft. MSL or 198 1 ft.  I. Filter pack, bottom 659 4 ft. MSL or 198 1 ft.  K. Borehole, bottom 677 5 ft. MSL or 198 1 ft.  I. Borehole, diarneter 95 in.  Manufacturer Flush threaded PVC schedule 40 23 Ft.  Screen type: Factory cut 11 Continuous slot 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	💹			• • -	
E. Bentonite seal, top 687.5 ft. MSL or 170.0 ft.  Fine sand, top						
Fine sand, top  NA ft. MSL or NA ft.  NSL or NA ft.  NSL or 1800 ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added NA ft.  Nolume added Na ft.  Nolume added Na ft.  Nolume added Na ft.  Nolume added Na ft.  Nolume added Na ft.  Nolume added Na ft.  Nolume added Na ft.  Nolume added Na ft.  No	, an e					_ ,,
7. Fine sand natural: Manufacturer, product name and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh size what the same and mesh	E. Bentonite seal, top _687.5 ft. MSL or 179	کی کی ور				
G. Filter pack, top 677 5 ft. MSL or 1800 ft.  Volume added NM ft3  8. Filter pack material: Manufacturer, product name and mesh size to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filter scale to the filte		. , \	EXX /			
S. Filter pack, top 677 5 ft. MSL or 180.0 ft.  Volume added NM ft.  8. Filter pack material: Manufacturer, product name and mesh size of the screen, top 659.4 ft. MSL or 193.1 ft.  1. Well screen, bottom 659.4 ft. MSL or 198.1 ft.  1. Filter pack, bottom 659.4 ft. MSL or 198.1 ft.  1. Filter pack, bottom 659.4 ft. MSL or 198.1 ft.  10. Screen material: School 80 ft.  11. Screen type: Factory cut 11.  Continuous slot 10.  Manufacturer 1:00.0 ft.  Manufacturer 1:00.0 ft.  N. O.D. well casing 45 in.  Manufacturer 1:00.0 ft.  N. I.D. well casing 40.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Decide 60.0 ft.  None 1. Deci	Fine sand, top NA It MSL or NA	¹.~ "\ \\	/. I'me sand		product name and me	esh size
i. Well screen, top 659 4 ft. MSL or 193 1 ft.  Nell screen, bottom 659 4 ft. MSL or 198 1 ft.  Silver Filer School 193 1 ft.  Nell screen, bottom 659 4 ft. MSL or 198 1 ft.  Nell screen, bottom 659 4 ft. MSL or 198 1 ft.  Nell screen, bottom 659 4 ft. MSL or 198 1 ft.  Nell screen, bottom 659 4 ft. MSL or 198 1 ft.  Nell casing: Flush threaded PVC schedule 40 23 Flush threaded PVC schedule 80 52 24 ft.  Nell casing: Flush threaded PVC schedule 80 52 24 ft.  Nell casing: Flush threaded PVC schedule 80 52 24 ft.  Nell casing: Flush threaded PVC schedule 80 52 24 ft.  Nell casing: Flush threaded PVC schedule 80 52 24 ft.  Nell casing: Flush threaded PVC schedule 80 52 24 ft.  Nell casing: Flush threaded PVC schedule 80 52 24 ft.  Nell casing: Flush threaded PVC schedule 80 52 24 ft.  Nell casing: Flush threaded PVC schedule 80 52 24 ft.  Nell casing: Flush threaded PVC schedule 80 52 24 ft.  Nell casing: Flush threaded PVC schedule 80 52 24 ft.  Nell casing: Flush threaded PVC schedule 80 52 24 ft.  Nell casing: Flush threaded PVC schedule 80 52 24 ft.  Nell casing: Flush threaded PVC schedule 80 52 24 ft.  Nell casing: Flush threaded PVC schedule 80 52 24 ft.  Nell casing: Flush threaded PVC schedule 80 52 24 ft.  Nell casing: Flush threaded PVC schedule 80 52 24 ft.  Nell casing: Flush threaded PVC schedule 80 52 24 ft.  Nell casing: Flush threaded PVC schedule 80 52 24 ft.  Nell casing: Flush threaded PVC schedule 80 52 24 ft.  Nell casing: Flush threaded PVC schedule 80 52 24 ft.  Nell casing: Flush threaded PVC schedule 80 52 24 ft.  Nell casing: Flush threaded PVC schedule 80 52 24 ft.  Nell casing: Flush threaded PVC schedule 80 52 24 ft.  Nell casing: Flush threaded PVC schedule 80 52 24 ft.  Nell casing: Flush threaded PVC schedule 80 52 24 ft.  Nell casing: Flush threaded PVC schedule 80 52 24 ft.  Nell casing: Flush threaded PVC schedule 80 52 24 ft.  Nell casing: Flush threaded PVC schedule 80 52 24 ft.  Nell casing: Flush threaded PVC schedule 80 52 24 ft.  Nell casing: Flush threaded PVC schedule 80	199 - 101 - h		S/ / <del></del>		<u>. 3</u>	
I. Well screen, top 659 4 ft. MSL or 193.1 ft.    Well screen, bottom 659 4 ft. MSL or 198.1 ft.	G. Filter pack, top 6++5 ft. MSL or 180	= ·=	<b>Maria</b> /		••	-:- des
Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volume added   Volu	1. Well screen, top _ 664.4 ft. MSL or L93	S.1 ft				est siz
Flush threaded PVC schedule 80 \( \omega \) 24  1. Filter pack, bottom \( \omega \) 5 \( \omega \) 4. MSL or \( \omega \) 6 \( \omega \) 5.  10. Screen material: \( \omega \) 6 \( \omega \) 6 \( \omega \) Continuous slot \( \omega \) 0. Screen type: \( \omega \) Factory cut \( \omega \) 11  11. Borehole, diameter \( \omega \) \( \omega \) in.  12. Screen type: \( \omega \) Factory cut \( \omega \) 11  13. Screen type: \( \omega \) Factory cut \( \omega \) 11  14. O.D. well casing \( \omega \) \( \omega \) in.  15. Soluted length: \( \omega \) 0. O. 12 in.  16. Screen type: \( \omega \) Factory cut \( \omega \) 11  17. Soluted length: \( \omega \) 0. O. 12 in.  18. Soluted length: \( \omega \) 0. O. 12 in.  19. Soluted length: \( \omega \) 0. Other \( \omega \) 11. Backfill material (below filter pack): \( \omega \) None \( \omega \) 11. Backfill material (below filter pack): \( \omega \) Other \( \omega \)	•		1'2			
Flush threaded PVC schedule 80  24  1. Filter pack, bottom 659 4 ft. MSL or 1981 ft.  Coher 1. Screen material: School 80 ft.  Continuous slot 1. 1. Screen type: Factory cut 1. 1. 1. Screen type: Factory cut 1. 1. 1. Screen type: Continuous slot 1. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	I. Well screen, bottom _ 659.4 ft. MSL or 198	8.1 fc	9. Well casi		_	
K. Borehole, bottom 617. Sft. MSL or 210. Of ft.  L. Borehole, diameter 9. Sin.  Manufacturer Lieuce  Slot size:  Slot size:  N. LD. well casing 4. Sin.  10. Screen material: School 80 PVC.  Factory cut 11. 11.  Manufacturer Lieuce  Slot size:  Slot size:  Slot size:  Slot size:  None 1. Backfill material (below filter pack):  None 1. Desire Case Other 11.			N	Flush direated P	VC schedule 80	里 24
K. Borehole, bottom	1. Filter pack, bottom _659 4 ft. MSL or 191	8.1 R	10 ===	erenial: <\\( \alpha\)		J
Continuous slot   01  L. Borehole, diameter   9.5 in.	Z Barbala harras 647 Ca MSI m DI C				_	E 11
L. Borehole, diameter $Q \le in$ .  Manufacturer Lieuce  Slot size:  Slot size:  N. LD. well casing $Q = in$ .  11. Backfill material (below filter pack):  None   12. Case Other   Other   Other   13. Decide Case Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other	" Potenow Domain _ FTTT'S IT MODE of Z'		Screen ty	he-		=
Manufacturer 1 inc 0.01 g in.  Manufacturer 1 inc 0.01 g in.  N. LD. well casing 4.5 in.  11. Backfill material (below filter pack):  None 1. 1. Backfill material (below filter pack):  12. 12. 13. 14. 15. 15. 16. 17. 18. 18. 18. 18. 18. 18. 18. 18. 18. 18	1 Bambala diameter Q C :		<b>2</b> 4			
N. LD. well casing 4.5 in.  Slot size: 0. Q1 2 in.  Slotted length: 05. Q ft  11. Backfill material (below filter pack): None   12. Case Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other   Other	E porenoie, cuameter 7.7 m.		\ \	- Cinec		<b>-</b>
N. LD. well casing 1.0 in. Slotted length: OS. Q for 11. Backfill material (below filter pack): None II	A OD well essine UC :-			ner Times	0. c	OL D in
N. I.D. well casing 40 in. 11. Backfill material (below filter pack): None 11. Decide Case Other 11.	W. O.D. WELL CESTING _ I.L _ R.		<b>\</b>	ngth:		
Derive Case Other D	N ID well casine 4 A 5		1.	•		
	n. LD. Well casingI_Q m.					
	- Annie Annie Hauffen information on this	form in this and as				

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with th. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

(b.

Signature

2-pa_0				
BADGER ARMY AMUSITIONS PLANT	Trid Location へ 4 802,307.4 f		Well Name PBN : 8,9 - 01 D	
Facility License, Permit or Monitoring Number		T. DE E. D.W.	Wis. Unique Well Number	DNR Well N
1	<u> </u>	" ш Е. Ш Ж.		·
Type of men where rapid concrement men P :-	Section Location		Date Well Installed	/ 불경 / <u>충</u> 순
Piezometer 5 12	1/4 of 1/4 of S	ection		
Distance Well Is From Waste/Source Boundary	TN, R DE	o w	Well Installed By: (Person's N る ていいしかをしんと	
IV VA ft.	Location of Well Relative to Wa	ste/Source	3 2MCM'ZEWLE	<u></u>
Is Well A Point of Enforcement Std. Application?	☐ Upgradient ☐ 3	Sidegradient		
	Downgradient			
A. Protective pipe, top elevation _ 934 .43 ft		1. Cap and local 2. Protective		2 Yes () No
B. Well casing, top elevation \$3.4.0 \( \) ft	. MSL	a. Inside dia	• •	_ <b>6</b> . Sin.
C. Land surface elevation 8715 f	MSL	b. Length:		_ <b>7</b> . Of
D. Surface seal, bottom ft. MSL or	n	c. Material	:	Steel ⊠ 0 Other □
12. USCS classification of soil near screen:			al protection?	☐ Yes ☐ No
	/ Lange 1 18.2			
		/ If yes, or	escribe: 4 Buckinsc Pour 1	
SM SC ML MH CL CH		3. Surface sea	Ŀ	Bentonite  3
13. Sieve analysis attached?  Yes N	. \	Cane of	ID W/CEMENT BENDUNTE (	Concrete 0 01
14. Drilling method used: Rotsry 5	o \		tween well casing and protective	
Hollow Stem Auger 4	\ nm scc			Bentonite 30
DUAL WALL Other D				r space seal 🔲
		<u> </u>	<u> </u>	Other 🖾 _
.15. Drilling fluid used: Water 🔲 02 Air 💆 0		5. Annulær spo		r Bentonite 🔲 3.
Drilling Mud 🗆 03 None 🗖 9	'9		s/gal mud weight Bentonite	
16. Drilling additives used?  Yes  N		Lbs	s/gal mud weight Bente	onite slurry 🔲 👛
10.0	*	<del>ہ</del> _ک_ ہ	Bentonite Bentonite-co	ement grout
Describe	I 🔛 🔛	# 600 g	volume added for any o	
17. Source of water (attach analysis):		How install		Tremie 🛮 0
PW # a	i 💹 🖼		Tren	nie pumped 🖸 0
PW F &	===_			Gravity 🗖 08
11 6	💹 🔛	6. Bentonite s	- <del></del> ·	ite granules 🔲 3
E. Bentonite seal, top _647 ft. MSL or 22	1.0 ft.		n. 3/8 in. 1/2 in. Bento	
F. Fine sand, top NA ft. MSL or N	a , \		ile blucy	
F. Fine sand, top	<u>~</u> "`\\ <b>\</b>	/. Pine saint ii	naterial: Manufacturer, produc	name and mesh siz.
G. Filter pack, top _ 642 1 ft. MSL or 22	9.5 元 / 日 以 /	Volume add	led <u>10 vs.</u> ft ³	
(20)		<b>✓</b> ∧ · .	material: Manufacturer, produc	
H. Well screen, top _6383 ft. MSL or 23	3.2	Volume add	عسوينك الشائد المستحد والمستحد والمستحد والمستحد والمستحد والمستحد والمستحدد والمستحدد والمستحدد والمستحدد	and
I. Well screen, bottom _ 633 3 ft. MSL or 238	Sam.	9. Well casing		chedule 40 🔲 23
			Flush threaded PVC so	chedule 80 🔼 2
J. Filter pack, bottom _6225 ft. MSL or 249	1.0 ft.		No.	Other 🛮
()> ( ) 046		10. Screen mat		
K. Borehole, bottom _ 622 5 ft. MSL or 249	1.0 11.	Screen type		Factory cut 2 11
			Cont	invous slot 🔲 0
L. Borehole, diameter $\underline{q} \cdot \underline{s}$ in.	_ \	Manufacture		Other 🛛
M. O.D. well casing _45_ in.	'	Manuracum Slot size:	I NACO	0. Q1 Qi:
M. O.D. well casing $\underline{Y}$ in.		Slotted leng	gth:	05.0
N. I.D. well casing _ 4 O _ in.		11. Backfill ma	terial (below filter pack):	None 🗷
_4.5_				Other 🛚
I hereby certify that the information on this		to the best of m	y knowledge.	
Signature ( ) ( ) ( )	Farm			

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

State of Wisconsin Department of Natural Resources
Facility/Project Name

## MONITORING WELL CONSTRUCTION

Department of Natural Resources		Form 4	400-113A 8-8	9
Facility/Project Name	Grid Location	Wei	Il Name	
BACKER ARMY AMOUNTOUS PLANT	4,802,305.1		23N-86-05B	
Facility License, Permit or Monitoring Number	277.312.C. A	E E C W.		Weil Number
Type of Well Water Table Observation Well 11	Section Location	į.	te Well Installed 03/21	189
Piezometer 12	1/4 of 1/4 of Se	ection	क्रा के बिन	<del>* • •</del>
Distance Well Is From Waste/Source Boundary	TN.R DEC		ill Installed By: (Person's Name a	
No ft.  Is Well A Point of Enforcement Std. Application?	Location of Well Relative to Was	te/Source	Bragoon/E.C. JURG	AN CO
Is well A Point of Enforcement Stat. Application:	, –	idegradient fot Known		
A. Protective pipe, top elevation _199.11		1. Cap and lock?	2	Yes 🛘 No
0 0 0		2. Protective cove	er pipe:	_
•		a. Inside diame	er.	_6.0 in.
C. Land surface elevation _893.5	F MSL	b. Length:  c. Material:	9	_굳. Oft Steel 1점 04
D. Surface seal, bottom ft MSL or	t-\			Other []
12. USCS classification of soil near screen:		d. Additional p	rotection?	Yes 🛘 No
GP GM GC GW SW SP	/ / / / / / / / / / / / / / / / / / / /	If yes, descri	ibe: 480canc 5722 225co.	
SM SC ML MH CL CH	/ 網開/	3. Surface seal:		onite 🔲 30
13. Sieve analysis attached?	No. 50 41 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<b>\</b>	Con Contractive Contractive Contractive Contractive Contractive Contractive Contractive Contractive Contractive Con	crete 0 01
1	ξο \		en well casing and protective pipe:	Aner La
14. Drilling method used: Rotary 13. Hollow Stem Auger 13.	41 \	4. Maidini ociwa	• • • • • •	onite 🛛 30
DUAL WALL Other D			Armular space	<del>-</del>
		GA	<u> </u>	Other 128
15. Drilling fluid used: Water 02 Air	01	5. Armular space :	seal: Granular Bents	
Drilling Mud 🗆 03 None 🗖	99   📓 🗑	Lbs/ga	l mud weight Bentonite-sand s	hurry 🔲 35
16 Delling addition mad?   Cl Var	. ) 🕍 🕷	Lbs/ga	l mud weight Bentonite sl	umy 🗖 31
16. Drilling additives used?	<b>*</b>		ntonite Bentonite-cement	
Describe		How installed:	volume added for any of the a	
17. Source of water (attach analysis):		now mistatien:	Tremie pum	emie 🔲 01
Pw #2			<del>-</del>	pped EQ 02 Livity □ 08
		C. Donne Sterneste	Bentonite gran	00
E. Bentonite seal, top _ 754 6 ft. MSL or 14	₹ . ■	6. Bentonite seal:	□3/8 in. □1/2 in. Bentonite pe	
E. Bentonite seal, top _ T 2 1 , 2 12 1102 of 1 1	· · · · · · · · · · · · · · · · · · ·		te Survey 0	
F. Fine sand, top PA ft. MSL or NA	3 ft.		rial: Manufacturer, product name	
G. Filter pack, top 349 6 ft. MSL or 14	8. 1. 18 18/	Volume added	NA fi ³	
-		8. Filter pack man	erial: Manufacturer, product name	e and mesh size
H. Well screen, top _ 712 6 ft. MSL or 15			r, S. Lie Filler Scare	
I. Well screen, bottom _ 737.6 ft. MSL or 160	s fr.	Volume added 9. Well casing:	Flush threaded PVC schedule	40 🔲 23
			Flush threaded PVC schedule	
J. Filter pack, bottom	0 h			other 🖸
K. Borehole, borrom _ 217.6ft. MSL or L.		10. Screen materia		y cut 2 11
K. Borehole, bottom ft. MSL or	~·- " <b>\</b>	Screen type:	Continuous	
L. Borehole, diameter 95 in.				Other 🖸 🔃
M. O.D. well casing _45_ in.	\	Manufacturer _ Slot size:	lindo	0. D1 Q in.
v.v		Slotted length:		05.0ft
N. LD. well casing _ 4.0_ in.				None 🗆 Other 🐯
nereby cartify that the information on this	form is true and correct to			
Signature () ()	Fam 6	0. /-		

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

Congress of the second

•				_	
State of Wisconsin Department of Natural Resources			ONITORING WELL CONSTRU m 4400-113A	1CT10; 8-8;	
Facility/Project Name	Grid Location	אל	Well Name		
BADGER ARMY AMUNTIONS DANT	4,802,307,0		PBN-89-02C		الاستالي
Facility License, Permit or Monitoring Number	277,290.9	<b>6.</b> Ø E. □ W.	Wis. Unique Well Number	DNR Well	Numr
Type of Well Water Table Observation Well 11 Piezometer 2012	Section Location	14 - 5 B		174183	<u></u> -
Piezometer 2 12  Distance Well Is From Waste/Source Boundary	1/4 of 1		Well Installed By: (Person's N	ame and Firm	n)
NA ft.	7N.R	DEDW	Z BUSS / EC 50		
Is Well A Point of Enforcement Std. Application?  Yes Z No	Location of Well Relative Upgradient				
A. Protective pipe, top elevation _893.18	Downgradient	Not Known  1. Cap and lo	ck?	Ya (	
<b>A</b> C =		3 Properties		_	
B. Well casing, top elevation897.09	IL MIST	a. Inside di			Ş.Çi
C. Land surface elevation _811.5	r MSL	b. Length:			e.of
D. Surface seal, bottom ft. MSL or	n. 2007:3	c. Material	<b>!</b>	Steel E Other E	_
12 USCS classification of soil near screen:		d Addition	nal protection?	_ OYS D	
GP GM GC GW GSW ELSP			escriber 4 Rucking Public		
SM OSC OMLOMHOCLOCH		3. Surface sea	i.	Bentonite [	
☐ Bedrock	\	<b>                                     </b>	BENTEW TE	Concrete C	<b>3</b> 0.
13. Sieve analysis attached?  Yes	[№] \		10 M KEWAY-BEN COM	A/L Other E	<u>.</u>
14. Drilling method used: Rotary Hollow Stem Auger	30 \	'4. Material of	etween well casing and protective	e prpe: Bentonite [	<b>3</b> 0
			Amula	r space seal	_
HARMING TELLS	``````\			Other	_
15. Drilling fluid used: Water 1 02 Air	· · · · · · · · · · · · · · · · · · ·	5. Annular sp	ace seal: Granula	r Bentonit	3
Drilling Mud 🖸 03 None 🚨	99	L	z/gal mud weight Bemonite	-sand shurr	
16. Drilling additives used?	No.		s/gal mud weight Benu		
			Bentonite Bentonite co		<b>4</b> 30
Describe	}	How instal	ed:	Tremie [	⊐ o :
17. Source of water (attach analysis):				ie pumped	02
For # 3			•	Gravity [	80 E
		6. Bentonite :	seal: Benton	ite gramules [	3 :
E. Bentonite seal, top 719.5 ft. MSL or 12	5.0 ft 🖁		in. 🗆 3/8 in. 🗆 1/2 in. Bento		
	\ MM :	_ Crob	mile slury		
F. Fine sand, top FA ft. MSL or M	A fr	7. Fine sand :	material: Manufacturer, produc	a name and m	esh size
G. Filter pack, top _712 . ft. MSL or [8	3.0 6	Volume ad	ded <u>NA</u> ft ³ material: Manufacturer, produc		anda eia
H. Well screen, top _706. In. MSL or LE	8: 1	O. P. D. D.	This Sities File Sea		CMI 36
		Volume ad	ded 2 1.2 ft 3		
I. Well screen, bottom _791.2 ft. MSL or 19	3.3 1	9. Well casin	_		
			Flush threaded PVC so		_`
I. Filter peck. bottom _ 701 2 ft. MSL or L9	.2.2 1	10 ===	terial: Schedule 80 Pix	Other C	<b>-</b> -
K. Borehole, bottom _684.5 ft. MSL or 2.1	100 ft.	Screen typ		Factory cut	<b>2</b> 11
V. Doletjoje odmili - 2.25 : 10 1110 of 2.2	·-·- ·· \	Second typ		imous slot	
L. Borehole, diameter 95 in.		٩		Other [	
		Manufactur	er <u>linu</u>		
M. O.D. well casing 4.5 in.		Slot size: Slotted len	eth:		er din
		,			_

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

Firm

E.C. Joslan Co.

N. LD. well casing

_4.0_

11. Backfill material (below filter pack):

Other

State	of Wi	sconsin		
Depa	rtment	of Nan	ıral Re	sources

## MONITORING WELL CONSTRUCTION Form 4400-113A 8-89

Department of Natural Resources	•	Fo	rm 4400-113A	8-89
Facility/Project Name	Grid Location	$\eta$	Well Name	
BADGER ARMY AMUNITOW PH			7BN . 88-03	
Facility License, Permit or Monitoring Number	276,880,1	5 ∕	Wis. Unique Well Numb	DNR Well Number
Type of Well Water Table Observation Well	11 Section Location		Date Well Installed	23,02,29
Piezometer	1/4 of	1/4 of Section	٩	프로 (유명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 는 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 을 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 등 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u>무</u> 명 을 및 <u></u>
Distance Well Is From Waste/Source Boundary	T N D		Weil Installed By: (Pers	
NA		E to Waste/Source	DH BELAN/	EC. Torchy Co.
Is Well A Point of Enforcement Std. Application	n? Upgradient	☐ Sidegradient		
□ Yes <b>②</b> (1	No Downgradient	☐ Not Known		
A. Protective pipe, top elevation _ 243.9	2 of the MSL	1. Cap and lo		⊠ Ys □ No
B. Well casing, top elevation _845.1	B_ ft. MSL -	2. Protective a. Inside di	• •	<u>6</u> .Qin
C. Land surface elevation _ \$44	g f MSL	b. Length:		_ <del>7</del> . Oft. Steed <b>1</b> 7 04
D. Surface seal, bottom ft. MSL of	r file	C. Maleria	L .	Other 🖸
12. USCS classification of soil near screen:		d Adding	nal protection?	No □ No
☐ GP ☐ GM ☐ GC ☐ GW ☐ SW ❷	SP \			T FLYCHAUSH LE
SM SC DML MH CL	сн / ∭	18 \ \ `		Bentonite  30
☐ Bedrock	\ ₩	3. Surface sea	d:	Concrete 0 01
13. Sieve analysis attached?	<b>25</b> № \	(STAUS)	TO MENT - DENTONTE	• • • • • • • • • • • • • • • • • • • •
14. Drilling method used: Rotary	□ 50 <b>\</b>	4. Material be	tween well casing and pro	tective pipe:
Hollow Stem Auger			•	Bentonite 🛘 30
	2 <u> </u>			nmular space seal 🔲
		_600		Other 😫 💆
15. Drilling fluid used: Water 🔲 02 Air	25-01	5. Annular sp		ranular Bentonite 🛛 33
Drilling Mud 🖂 03 None	_ 99   <b>@</b>		s/gal mud weight Ben	
16. Drilling additives used?			x/gal mud weight	
10. Drilling social ves used:	<b>⊠</b> N6		Bentonite Bento	
Describe			Sed Fra volume added for	
17. Source of water (attach analysis):		How install	led:	Tremie 🗍 01
				Tremie pumped 2 02
<u> </u>				Gravity 🔲 08
		6. Bensonite s		entonite granules 🔲 33
E. Bentonite seal, top _ 234 9 ft. MSL or	170'0 tr 💆	<b>□</b> 1/4	in. 03/8 in. 01/2 in.	Bentonite pellets 🔲 32
	. \	₩ / <u></u>	book Sury	Other 🔼
F. Fine sand, top fL MSL or	MA ft	7. Fine sand i	A) (A)	product name and mesh size
G. Filter pack. top _ 729 9 ft. MSL or	1150 m	Volume ad	ded <u>NA</u> 1	3
	<b>→</b>	8. Filter pack	material: Manufacturer,	product name and mesh size
H. Well screen, top _724 9 ft. MSL or	1300 m		th Silver Fillers	x-el
		Volume ad		43
I. Well screen, bottom _ 719.9 ft. MSL or	Γ3Σ'O μ✓	9. Well casin	•	VC schedule 40 🔲 23
7. 0 C. 4 1401			Flush threaded P	VC schedule 80 💆 24
J. Filter pack, bottom _719,9 ft. MSL or	Jaz o r		perial: Shedule 80	Other LI
K. Borehole bottom _ 316 .9 ft. MSL or	128 d ft.	<i></i>		Factory cut 🖾 11
K. Borehole, bottom _ ± 1 2 .1 ft. MSL or	··	Screen typ	<b>-</b>	Continuous slot   0 1
t Bambala dismosa G 🗸 😓		<b>2</b>		Other D
L. Borehole, diameter _9.5 in.		Mamifector	er Jineo	
M. O.D. well casing _45_ in.		Slot size:		0. Q1 Q in.
		Slotted len	•	_5.0ft
N. LD. well casing 40 in.			aterial (below filter pack):	None 🖸
			Valual Cave	Other EL
hereby contify that the information on		prrect to the best of m	y knowledge.	
Signature ()	Firm C			

Please complete and reasm both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with th. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

•	
State of Wisconsin Department of Natural Resources	MONITORING WELL CONSTRUCTION Form 4400-113A 8-89
Facility/Project Name Grid Location	Well Name
Bedar Arm Amerikan Plant 4, 802, 333.9	FEN. US. PBN-89-03C
Facility License, Permit or Monitoring Number 276, 950.7	fir E E. W. Wis. Unique Well Number DNR Well Numi
Type of Well Water Table Observation Well 11 Section Location	Date Well Installed
Piezometer S.121/4 of	03/09/87
Distance Well Is From Waster Source Boundary	Weil Installed By: (Person's Name and Firm)
N/F ft. T_N, R_	D. H. Belan / E C. Jordan Co
Is Well A Point of Enforcement Sid. Application?   Location of Well Related Upgradient	Sidegradient
☐ Yes   ☐ No   ☐ Downgradient	
A. Protective pipe, top elevation _247.02 ft. MSL	1. Cap and lock? Yes No
B. Well casing, top elevation _846.87 ft. MSL	2. Protective cover pipe:  a. Inside diameter:
600.00	b. Length: 2 .0 f
	c. Material: Steel & 0+
D. Surface seal, bostom ft. MSL or ft.	Other 🛛
12 USCS classification of soil near screen:	d. Additional protection?
SM DSC DML DMH DCL DCH	If yes, describe: 4 backing posts
Bedrock	3. Surface seal:  Bentonite  Concrete  Concrete
13. Sieve analysis attached?   Yes  No	Control other &
14. Drilling method used: Rotary 50	4. Material between well casing and protective pipe:
Hollow Stem Auger   41	Bentonite 3 °
Del Dell-person Other D	Armular space seal
15 Drilling fluid used Water [7 02 Air [8 01	Other
15. Drilling fluid used: Water 0 0 2 Air 0 0 1 Drilling Mud 0 0 3 None 0 99	5. Armular space seal: Granular Bentonite
	Lbs/gal mud weight Bentonite-sand sharry  Lbs/gal mud weight Bentonite slurry 3
16. Drilling additives used?	Lbs/gal mud weight Bentonite slurry 3  S Bentonite Bentonite-cement grout 5 50
	1 1200 get probume added for any of the above
Describe 17. Source of water (attach analysis):	How installed: Tremie 0
1 1000	Tremie pumped 📮 02
<u> </u>	Gravity 🛘 08
	6. Bentonite seal: Bentonite granules 3:
E. Bentonite seal, top _ 202.1 ft. MSL or 112.0 ft.	□1/4 in. □3/8 in. □1/2 in. Bentonite pellets □ 32
alid a Mar or with a	Bridge & Sharry Other &
F. Fine sand, top	7. Fine sand material: Manufacturer, product name and mesh size  NA  Volume odded #20 63
G. Filter pack, top 691 1 ft. MSL or 147.0 ft.	Volume added NA ft ³
	8. Filter pack material: Manufacturer, product name and mesh siz
H. Well screen, top _ 689 .L ft. MSL or 155.0 ft.	Volume added = 14 ft 3
I. Well screen, bottom 654 1 ft. MSL or / 60.0 ft.	9. Well casing: Flush threaded PVC schedule 40 23
	Flush threaded PVC schedule 80 🔀 24
J. Filter pack, bottom _ 684 .1 ft. MSL or 160.0 ft.	10. Screen material: School 80 NC
K. Borehole, bottom _ 6 5 4 .1 ft. MSL or 160.0 ft.	Screen type: Factory cut 11
	Continuous slot 🔲 01
L. Borehole, diameter _9.5 in.	Other 🗆
M. O.D. well casing 45 in.	Manufacturer 11m40 Slot size: 0.Q10 in
IT. V.S. WELL VANISH J. K III.	Slotted length:
N. LD. well casing _4.Q _ in.	11. Backfill material (below filter pack):  Other
I hereby cadify that the information on this form is true and c	
Signature ( ) 4 // 0 //	

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

State of Wisconsin Department of Natural Resources		MONTTORING WELL C	CONSTRUCTION 8-89
aculity/Project Name	Grid Location	Well Name	
Succes from Amountions Plant	4,801,782.3		40
Facility License, Permit or Monitoring Number	271 097.8 AC		mber DNR Well Number
	Section Location	Date Well Installed	03119189
Distance Well Is From Waste/Source Boundary	1/4 of 1/4 of Section		mm' d d' v t
4/1	TN, R	weit installed By: (I	Person's Name and Firm)
Is Well A Point of Enforcement Std. Application?	Location of Well Relative to Waste/So  Upgradient  Sidegr	urce P. Dolyner	E.C. Jordan Co
[] Yes [ No ]	Downgradient Not K	•	
A. Protective pipe, top elevation _859.40 ft.	MSL	1. Cap and lock?	Ø Yes □ No
B. Well casing, top elevation _859.23 ft.		2. Protective cover pipe: a. Inside diameter:	6 A:-
C. Land surface elevation	MSL	b. Length:	_ <b>6</b> .Qin _2.Qft
D. Surface seal, bottom ft. MSL or		c. Material:	Steel 😰 04
12. USCS classification of soil near screen:	(1) (1)	d. Additional protection?	Other D
GP GM GC GW SW ZSP		If yes, describe: 4 backing	Pope
☐ Bedrock	\	3. Surface seal:	Bentonite 30
13. Sieve analysis attached?    Yes  No	· \	Grant-	Concrete 0:
14. Drilling method used: Rotary 5 0	1 1001 1001	4. Material between well casing and p	Totective pipe:
Hollow Stem Auger 24 1	· \ 📓 🖼	<b>.</b>	Bentonite 🔲 30
Other 🗆 🚞		$\mathcal{C}^{-1}$	Annular space seal []
15. Drilling fluid used: Water   02 Air   01	, (	Dont	Other 🗷
Drilling Mud □ 03 None ■ 99			Granular Bentonite   33
A Delli-	) 📓 🖺	Lbs/gal mud weight B	
16. Drilling additives used? Yes No	) <b>(</b>	Lbs/gal mud weight Ben	. Bentonite slurry 3 1
Describe		* 310 9 volume soded f	tonite-cement grout 2 50
17. Source of water (attach analysis):	-	How installed:	Tremie 01
4) to 2			Tremie pumped 🖾 02
1000	━		Gravity 🔲 08
E. Bentonite seal, top _ 237 .1 ft. MSL or 119			Bentonite granules 🔲 33
E Bentonne seat top _ 1241.1 in MSE of 114	. M. II.	1/4 in. 13/8 in. 1/2 in	. Bentonite pellets 🔲 32
F. Fine sand, top NA ft. MSL or NA	·_ ft_	Fine sand material: Manufacturer.	Other II
G. Filter pack, top 9321 ft. MSL or 124			
		Volume added NA	.ft ³
H. Well screen, top		Filter pack material: Manufacturer.	product name and mesh size
		Volume added 2 21	ft 3
I. Well screen, bottom _ 212.9 ft. MSL or 114.	o fr. 9		PVC schedule 40 23
J. Filter pack, bottom _ 712 9 ft. MSL or 144	O fr.	Flush threaded	PVC schedule 80 🔼 24
K. Borehole, bottom _ 126 .9 ft. MSL or 150	10	Screen material: Schedule Ro	ex
TEE TEE TEE TEE	* " <b>`</b>	Screen type:	Factory cut 🔼 11
L. Borehole, diameter 95 in.			Continuous slot 0 1
-	\	Manufacturer	Other 🛚
M. O.D. well casing _ 4.5_ in.	\	Slot size: Slotted length:	0. QL Q in.
N. I.D. well casing _ Y D _ in.	,,	Backfill material (below filter pack):	_ <b>5</b> .Qft
		Voting Scale (New Inter pack):	None 🗆
hereby certify that the information on this for	rm is true and correct to the !	best of my knowledge	Other 🖪
Signature	Firm	•	
	1 L.C. Jordan	0.	

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

State of Wisconsin Department of Natural Resources	•	N F	ONITORING WELL CONSTR orm 4400-113A	RUCTION 8-89
Facility/Project Name	Grid Location	pri	Well Name	
Backer How Amilian Plant	4 801,775.7		PBN-89-04C	
Facility License, Permit or Monitoring Number		m	Wis. Unique Well Number	DNR Well Numb
	277,169.6	2\$€ <b>Ø</b> E. □ W.		Ditte wer terille
Type of Well Water Table Observation Well 11	Section Location		Date Weil Installed	
Piezometer 22 12	1/4 of	1/4 of Section	09	(14 <u>4) \$9</u>
Distance Well Is From Waste/Source Boundary			Well Installed By: (Person s	Name on Early
NA 6.	TN, R	_ DEDW	J. Buss / E.	C TO C
Is Well A Point of Enforcement Sid. Application?	Location of Weil Reia	Live to Waste/Source	<u> </u>	- Jordan Co
I Yes Di No	Downgradien	Not Known		
A. Protective pipe, top elevation _ £60.51 ft		1. Cap and 1		Ys O No
B. Well casing, top elevation _ £59.70 ft	MSL —	2. Protective		_6. <u>0</u> ir
C. Land surface elevation _ 252.2 f	MSL	b. Length		_2.9ft
D. Surface seal bottom ft. MSL or	n.	c. Materia	l:	Steel 2 04
12. USCS classification of soil near screen:			-1	Other 🖸
		If yes, o	mal protection? describe: 4 busting fasts	Yes   No
☐ Bedrock	<b>                                      </b>	3. Surface se	ai:	Bentonite 30
13. Sieve analysis attached?  Yes  N	,\		G., L	Concrete 0 0:
14. Drilling method used: Rotary 5	o \	A Mararial b	etween well casing and protective	Other 👪
Hollow Stem Auger 4	ı \	Managara C	erween wen castus and biotectiv	• -
	<b>\</b>		A 1.	Bentonite 30
		<b>8</b> (-	Armus	r space seal [
15. Drilling fluid used: Water 20 02 Air 20 0	1 💹		, , , , , , , , , , , , , , , , , , ,	Other
Drilling Mud 🗆 03 None 🗀 9	1 29	5. Armiler sp	ece seal: Gramula s/gal mud weight Bentonite	Bentonite
16. Drilling additives used?	1 1200	<u> </u>	s/gal mud weight Bente	onite slurry 31
			Bentonite Bentonite-ce	EDENT POUT S 50
Describe		= 400 50	volume added for any o	f the above
17. Source of water (attach analysis):	_	How install	ed:	Tremie 🔲 01
のりたコ			Trem	nie pumped 🔼 02
	<b>==</b>		•	Gravity 🔲 08
<b>A a A</b> .	<b>5</b>	6. Bensonite s	eal: Bentoni	ite granules 🔲 33
E. Benionite seal, top $212.1$ ft. MSL or $146$	.2 € 🔯	6. Bentonite s	n. 3/8 in. 31/2 in. Benson	
	\ <b>@</b>	Resto	ale Slucy	Other El
F. Fine sand top	·- / / MA	7. Fine send n	naterial: Manufacturer, product	name and mesh size
G. Filter pack, top	.2 m	Volume add		
	·/ \	8. Filter pack	material: Manufacturer, produc	t name and mesh size
i. Well screen, top		Volume add	List Silen sand	
. Well screen, bostom _671.2 ft. MSL or 1 fig.	5 m	9. Well casing	•	nedule 40 🔲 23
• -			Flush threaded PVC sci	
. Filter pack, bottom $\underline{-}\underline{\mathcal{G}}\underline{\mathcal{G}}\underline{\mathcal{I}}\underline{\mathcal{I}}$ ft. MSL or $\underline{\mathcal{I}}\underline{\mathcal{I}}\underline{\mathcal{G}}$	Q ft.		·	Other
		10. Screen mate	rial: Schooling 80 AC	~~
K. Borehole, bottom $-442.2$ ft. MSL or $120$	.0 ft.	Screen type		actory cut 5 11
		<b>3</b>	-	
. Borehole, diarneter _ 9.5 in.			Court	Other
_		Manufacture	line	Ouler Li
1. O.D. well casing _ 4.5_ in.		Slot size:	·	0.010ir
		Slotted length	th:	-£.0h
. LD. well casing _ Y Q _ in.		11. Backfill mat	erial (below filter pack):	None D
	-		in F://	_ Other [
hereby certify that the information on this fo	orm is true and co	prect to the best of my	knowledge	- 042
gnature UNDO -	Iram /	^ ^		
12 My William	1 / /	Inches Co		

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

State of Wisconsin Department of Natural Resources		MC For	NITORING WELL CONST m 4400-113A	RUCTION 8-89	
Facility/Project Name	Grid Location		Well Name		
Badger Hom Annuil in Plants	4.802 323.1 X	? - B2 N. □ S.	PBM-89-05		
Facility License, Permit or Monitoring Number	7,002323.	<b>L L L L L L L L L L</b>	Wis. Unique Well Number	DNR We	D Marie 4
	276,741.2	- □ E. □ W.	APP. Office AST Mitted	DAK WE	п илшое
Type of Weil Water Table Observation Well	Section Location		Date Well Installed		
Piezometer 12	1/4 of 1/4 of Se		Date wen hardnes	3/06/8	19
Distance Well Is From Waste/Source Boundary	· -		Well Installed, By: (Person	<u>च व व ए</u>	V
NA ab	TN. R 🗆 E C	ı w			
Is Well A Point of Enforcement Std. Application?	ocation of Well Relative to Was	te/Source	Bil Metzger / 1	<u> </u>	anlo
☐ Yes 图 No		idegradient lot Known	- •		
A. Protective pipe, top elevation _255.20 ft.		1. Cap and loc	k?	OR Yes	□ No
B. Well casing, top elevation _ £££.5% ft.	MSL -	2. Protective c	over pipe:		<u>.</u> ,
C. Land surface elevation	1812	a. Inside dias b. Length:	meter:	_	6.0 in.
<del></del>		c. Material:		Steel -	
D. Surface seal, bottom ft. MSL or	- "\"			Other	=
12. USCS classification of soil near screen:		d. Additiona	protection?	E Ye	
□ GP □ GM □ GC □ GW □ SW □ SP			cribe: 4 bucking flot	٠ 🛌 🕓	<u></u>
SM DSC DML DMH DCL DCH		\		Benronite	
12.6	\	3. Surface seal:	•	Concrete	=
13. Sieve analysis attached?	\	/ 60	- <del></del>	Other	-
14. Drilling method used: Rotary 5 0	· <b>\ \ \ \ \ \ \ \ \ \</b>		veen well casing and protecti	OUE	
Hollow Stem Auger 🔼 4 1	\ <b>\ \</b>		was among and protects	Bentonite	<b>□</b> 30
Other 🖸 🚐	<b>= \                                   </b>		. Ameri	lar space seal	
		(~	\~. <del>\</del>	•	=
15. Drilling fluid used: Water 🔲 02 Air 🔲 01		5. Annular space		Other	
Drilling Mud 🖸 03 None 🖾 99	'   <b>             </b>			lar Bentonite	_
14 B 191 - 1111			gal mud weight Bentonit		
16. Drilling additives used? TYES No.		L05/	gal mud weight Ben	tonite slurry	31
		± 400 61	entonite Bentonite-	cement grout	S 50
Describe	-   🟻 🗸	How installed	Ser Appending socied for sulk		
17. Source of water (attach analysis):	) 💹 🖼	110 - 0000000	_	Tremie (	
90 <del>**</del> 2			l Tes	mie pumped	
				Gravity [	
E. Bentonite seal, top _ 187 3 ft. MSL or _ 65	·	6. Bentonite sea		nite granules [	
E. Bentonite sear tob Titis I'm W2T of M2T	·- ft 🔛 🔛	1/4 in.	Ø3/8 in. □ 1/2 in. Bent	onite pellets f	图 32
F. Fine sand, top				Other [	C
- TOF - RMSL or NA	·- \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	7. Fine sand man	erial: Mamufacturer, produ NA	ct name and m	esh size
G. Filter pack, top _ 1826 ft. MSL or _ 69	.7 1	Volume added			
		8. Filter pack me	sterial: Manufacturer, produ	et name and m	nesh size
H. Well screen, top _116 & ft. MSL or 125		ROGEL	Sand		
7 77 7 DC/ CA MOV		Volume added	<u>≈ 3.3</u> ft ³		
I. Well screen, bottom _ 256 8 ft. MSL or _ 95.	ر الله الله الله الله الله الله الله الل	9. Well casing:	Flush threaded PVC so		23
1 51 7 7 4 100 - 1 0 0			Flush threaded PVC so	thedule 80 [	24
J. Filter pack, bottom _ 152.3 ft. MSL or 100.	5 m			Other [	בַ ב
K. Borehole, bottom _ 152.3 ft. MSL or 100		10. Screen materia	al: <u>Schoollabe 80 puc</u>		
K Polevoner goggess - 155 % if with all to 155		Screen type:		Factory cut	3 11
				inuous slot [	
L. Borehole, diameter _ 9.5 in.				Other E	
	\	Manufacturer	Times		
M. O.D. well casing _4.5_ in.	\	Slot size:		0. Ç	21Q in.
	\	Slotted length:			Q.QfL
M. I.D. well casing _ 1.2 _ in.	· ·	11. Backfill materi	al (below filter pack):	None D	
		_ Delive	Cu	Other 5	
nereby centify that the information on this for	m is true and correct to t	the best of my	nowledge		<del>`</del> —
Signature () ()	il m				
Yell Del	F. C. Josela	m 60.			

Please complete and renam both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

State of Wisconsin Department of Natural Resources		MONITORING WELL CONSTRUCTION Form 4400-113A 8-89
	1 Location M 4.802.338.9 ft B.N. []	Well Name S. PBM-89-06
Facility License, Permit or Monitoring Number	210, 423.6 # DE. D	A CONTRACT OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF
Piezometer 12	1/4 of 1/4 of Section	Date Well Installed  O 4 3 5 8 9 m m d d d v v
Distance Well Is From WasterSource Boundary	N. R	Well Installed By: (Person's Name and Firm)  Chushin Moore / E. C. Jorden C
Is Well A Point of Enforcement Std. Application?  Yes D. No	Upgradient Sidegradient Downgradient Not Known	
A. Protective pipe, top elevation _ £86.50 ft. M	7 2000	nd lock? Set 1 No
B. Well casing, top elevation	a. Insi	de diameter:
C. Land surface elevation	c Ma	terial: Steel 2 0-
12. USCS classification of soil near screen:	440	ditional protection? Sy Yes No
D SM D SC DML DMH D CL D CH	3. Surfac	Bentonite 30 Concrete 0
13. Sieve analysis attached?  Yes No 14. Drilling method used: Rotary  50	\	Al between well casing and protective pipe:
. Hollow Stem Auger 🚨 4 1	\	Bentonite 3 0
Dual Dall Other II		Annular space seal []  Other [2]
15. Drilling fluid used: Water   02 Air 2. 01 Drilling Mud   03 None   99		ar space seal:  Cranular Bentonite  Lba/gal mud weight Bentonize-sand slurry
16. Drilling additives used?		Lbe/gal mud weight Bentonite slurry 3  *Bentonite Bentonite-cement grout 5 50
Describe	± 400	volume added for any of the above
17. Source of water (attach analysis):  Pu + 2	How I	Tremie pumped 🔲 02
<u> </u>	6. Benior	Gravity 0 8  tite seal: Bentonite granules 0 33
E. Bentonite seal, top _161.2 ft. MSL or _96.8		1/4 in. 193/8 in. 11/2 in. Bentorate pellets 13.2
F. Fine sand, top NA ft. MSL or NA	7. Fine st	and material: Manufacturer, product name and mesh size
G. Filter pack, top _ 779.7 ft. MSL or /DY.	Volum	e added <u>NA</u> ft ³
H. Well screen, top _ 262.2 ft. MSL or 116.0	2 n Rec	pack material: Manufacturer, product name and mesh siz
I. Well screen, bottom _ 741.7 ft. MSL or 436.0		e added: Ar 3.9 ft 3  asing: Flush threaded PVC schedule 40
J. Filter pack, bottom _244.2 ft. MSL or 139.0		Other 🗓
K. Borehole, bottom	ft. Screen	type: Factory cut 💆 11
L. Borehole, diameter _9.5 in.		Other 🗆
M. O.D. well casing _4.5_ in.	Slot siz	0. QLQin
N. LD. well casing _ 4 . D _ in.		material (below filter pack): None C
I hereby certify that the information on this formation on this formation on the formation on the formation on the formation on the formation on the formation on the formation on the formation on the formation on the formation on the formation on the formation on the formation on the formation on the formation on the formation on the formation on the formation on the formation on the formation on the formation on the formation on the formation on the formation on the formation on the formation on the formation on the formation on the formation on the formation on the formation on the formation on the formation on the formation on the formation on the formation on the formation on the formation on the formation on the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation	m is true and correct to the best o	f my knowledge.

Please complete and return both sides of this form as required by chs. 144, 147 and 167 Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

	of Wiscon		
Depar	tment of	Natural	Resources

#### MONITORING WELL CONSTRUCTION Form 4400-113A 8-89

		• •		<b>0</b> -07	
Facility/Project Name	Grid Location	M	Well Name		
Bedaze Henry Amountous Plant	4.801.794.0		78M-89-09		
Facility License, Permit or Monitoring Number	2% 910.3	<del></del>	Wis. Unique Well Number	DNR Well N	unoca
*//	Section Location		Date Well Installed	3103189	
Piezometer 12	1/4 of	1/4 of Section		국/ <i>육</i> 국/ <i>독</i> 축	· 
Distance Well Is From Waste/Source Boundary	TN, R	n e n w	Well Installed By: (Person		
10 <b>1</b> 77 11. 11	Location of Well Relativ	e to Waste/Source	Bruin Bitter/E	C. Jordan	<u>(a</u> .
is well A Point of Enforcement 5th. Application?	□ Upgradient	□ Sidegradient	1		
☐ Yes B(No	□ Downgradient		<u> </u>		
A. Protective pipe, top elevation £ 49.56 ft.	. MSL	1. Cap and k		☑ Ye 🖸	No
B. Well casing, top elevation _ £ 49.36 ft.		2. Protective a. Inside d		6.	.Qin.
C. Land surface elevation _846.6 f	MSL	b. Length:		_1.	.QfL
D. Surface seal, bottom ft. MSL or	n	c. Materia	i:	Steel 🛣	
12. USCS classification of soil near screen:	The second second	d Adding	nal protection?	n ve n	
GP GM GC GW SW ELSP	1 / 1	If west of	lescribe: 4 bucking for	F = D	.~
SM SC ML MH CL CH	/ NI		<del></del>	Bentonite [	30
□ Bedrock	\	3. Surface se	ul:	Concrete	
13. Sieve analysis attached?	· \ 🐰	<b>X</b>	Gout	Other A	
14. Drilling method used: Rotary 5	o \ 📓	4. Material b	etween well casing and protect		
Hollow Stem Auger 🚨 4	\ M4			Bentonite 🗆	30
	<b>─</b> \ <b>■</b>		Armu	iar space seal	
	1 881		Court	Other 121	
15. Drilling fluid used: Water 🔲 02 Air 🚨 0		5. Armular sp	ace seal: Gram	ular Bentonite	33
Drilling Mud 🖂 03 None 💆 9	9   📓		s/gal mud weight Bentoni		35
A Demin and the county of the		<del>M</del>	s/gal mud weight Be	-	3 1
16. Drilling additives used? Yes No	·   <b> </b>	<u>_5</u> %	Bentonite Bentonite	-cement grout 👨	50
		\$400 G	C. Fr Volume added for any	of the above	
Describe	— I 📓	How instal	led:	Tremie 🔲	0 1
17. Source of water (attach analysis):			Tra	emie pumped 🖪	02
<u>Pu≠2</u>			•	Gravity 🔲	08
		6. Bentonite s	eal: Bente	mite granules 🗇	33
E. Bentonite seal, top _ 184 C ft. MSL or _ 62	10 ft. 👹	XXI /	in. DB/8 in. D1/2 in. Ben	_	32
				Other	J =
F. Fine sand, top	O ft	7. Fine sand :	naterial: Manufacturer, prod		h size
G. Filter pack, top _ 1 & _ 1 ft. MSL or _ GC	5 12	Volume add	NA ft ³		
•	. \	**************************************	material: Manufacturer, prod	net name and med	h cisa
H. Well screen, top $264.1$ ft. MSL or $92$	5 12 1		lich Silvie Send	senite aim ilich	-1 3LE
		Volume ad		<del></del>	
I. Well screen, bottom _ 754 1 ft. MSL or _ 92	5 m	9. Well casin		schedule 40 🖂	23
		), 17 to to to to to to to to to to to to to	Flush threaded PVC		24
1. Filter pack, bottom $_22\underline{5}4.1$ ft. MSL or $_292$	5 ft.	<b>\</b>		Other	
K. Borehole, bottom _75L.& ft. MSL or _95	0.		erial: Schedule so PVC		
K. Borehole, bottom $-15$ L . Le ft. MSL or $-95$	·- ·- ·	Screen type		Factory cut 🖸	11
Dombolo diamento de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya del companya de la companya del companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la co		<b>2</b>	Con	ntinuous slot 📋	01
Borehole, diameter _9 _5 in.		\	<del></del>	Other 🛘	
4.00 4.			ar <u>libeo</u>		<b>A</b> !
M. O.D. well casing _ 4 _ 2 _ in.		Slot size: Slotted leng	reh.	0. Q L	
V ID well seeins		,	₹		.Q ft.
N. I.D. well casing _4.Q _ in.			terial (below filter pack):	None 🗆	
combine particle strate that indomestics are thin &	APP 10 4010		mal Cere	Other &	
hereby certify that the information on this formation in this formation in the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second	Fin   Fin	rrect to the best of m	y Knowledge.		
THE PURE	E.C	Jordan Co.			
1 4 10	, <del>,</del> ,	TOTOLIC CO.	•		

Please complete and renum both sides of this form as required by cits. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

State of Wisconsin Department of Natural Resources			ONITORING WELL CONSTRU mm 4400-113A	UCTION 8-89
Facility/Project Name Scales Area Area Lieu Plant	Grid Location	M fc or N. O S.	Well Name PBM-89-08	
Facility License, Permit or Monitoring Number	<u>4,801,128.3</u> <u>211,305.6</u>	—— M	Wis. Unique Well Number	DNR Weil Numr
Type of Well Water Table Observation Well 211	Section Location		Date Well Installed 03 m m	114182
Piezometer	1/4 of	_ 1/4 of Section	Well Installed By: (Persons)	Vame and Firm)
NA ft.	T N. R	_ DEDW	Ret Allen / E. C.	
Is Weil A Point of Enforcement Std. Application?	Location of Weil Relate Upgradient	☐ Sidegradient		
Yes X No	Downgradient	Not Known  1. Cap and k	~k?	☑ Yes ☐ No
A. Protective pipe, top elevation _ 258.221		2. Protective		<u> </u>
B. Well casing, top elevation _ 228.561	17	a Inside d		_6.Q ir
C. Land surface elevation _815.5 !	MSL	b. Length:		_2.0f Steel <b>21</b> 04
D. Surface seal, bottom ft. MSL or	"\\			Other 🗓
12. USCS classification of soil near screen:  GP GM GC GW SW SP		d Addition	nal protection?	Yes 🛘 No
DSM DSC DML DMH DCL DCH		119 \ \	•	Bentonite  30
Bedrock  13. Sieve analysis attached?   Yes  13. Sieve analysis attached?	. \	3. Surface se	~ \	Concrete 0
, –	\ 223	4 Meterial b	etween well casing and protective	Other 🍱 _
14. Drilling method used: Rotary 12. Hollow Stem Auger 12.	\ 000	4, 111	concern west one self with browners.	Bentonite 3 0
Other 🗆			C L Annula	er space seal
15. Drilling fluid used: Water [] 02 Air	01	5. Armular s	Comple	Other Ed
Drilling Mud 🔲 03 None 🖼	99		bs/gal mud weight Bentonite	
16. Drilling additives used?	. I		bs/gal mud weight Bent	
			Bentonite Bentonite-co	
Describe	— I 📓	How instal		Tremie 🔲 0
PN #2			Tren	nie pumped 🔼 02 Gravity 🗖 08
		6. Bentonite	seal. Renna	Gravity 🔲 08
E. Bentonite seal, top _ 170 5 ft. MSL or _ 1	5.0 m		in. \$\frac{1}{2}\frac{1}{2}\text{ in. Benu.}	
				Other 🛚
F. Fine sand, top ft. MSL or ft.	# ft	7. Fine sand	material: Manufacturer, produc	rt name and mesh size
G. Filter pack, top _ 185 5 ft. MSL or LQ	0.0 ft	Volume ad	ded NA ft ³	
H. Well screen, 100 180 5 ft. MSL or LQ	50 fc	8. Filter pack	material: Manufacturer, produ	ct name and mesh siz
		Volume at	Idet ≈ 3.8 ft ³	
I. Well screen, bottom _ 7605 ft. MSL or 12	- D (L)	9. Well casu	-	
J. Filter pack, bottom _ 260 5 ft MSL or 12	CO R		Flush threaded PVC so	chedule 80 🔼 24
0.55		10. Screen ma		
K. Borehole, bottom	2.0 11	Screen typ		Factory cut 🔼 11 uinuous slot 🔲 01
L. Borehole, diameter _ 2.5 in.				Other 🗆
M. O.D. well casing _4 £_ in.		Manufactu Slot size:	rer	0. Q
MI. O.D. WELL COUNTY _ I . Z _ MI.		Slotted let	ngth:	30.0ft
N. LD. well casing _ 4 .Q _ in.		_	sterial (below filter pack):	None Con-
I hereby certify that the information on this	form is true and			Other
Signature ()// DO ()	Fam CC	50 (		

Please complete and renam both sides of this form as required by chs. 144, 147 and 160. Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

		<del></del>	·		
State of Wisconsin Department of Natural Resources		M Fo	ONITORING WELL CONSTRUCTION orm 4400-113A 8-89		
Facility/Project Name  Class Across Amount on Monutoring Number  Facility License, Permit or Monutoring Number	Grid Location 4, 503, 218, 5 — 211, 225, 5	M	Well Name PBM-89-09 Wis. Unique Well Number DNR W	ell Ni	umbe
Type of Well Water Table Observation Well 211  Piezometer 12  Distance Well Is From Waste/Source Boundary  Oh ft.  Is Well A Point of Enforcement Std. Application?  Yes No	Section Location 1/4 of  TN, R Location of Well Relating Upgradient	— □ E □ W ve to Waste/Source □ Sidegradient	Date Well Installed  \[ \text{Det} \frac{\text{O} \frac{3}{d} \text{O}}{\text{m} \text{m}} \frac{d}{d} \frac{d}{d}  \]  Well Installed By: (Person's Name and Jeff Rickett / F.C. Jordan)	imi)	
A. Protective pipe, top elevation 883.49 ft  B. Well casing, top elevation 883.49 ft		Not Known  1. Cap and le 2. Protective a. Inside di	cover pipe:	s []	
C. Land surface elevation				_1 Ø	0 ft. 0 4
☐ SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐ Bedrock  13. Sieve analysis attached? ☐ Yes ☐ N  14. Drilling method used: Rotary ☐ 5	50	3. Surface sea	<del></del>		30
Hollow Stem Auger Other Other 15. Drilling fluid used: Water 102 Air 10. Orilling Mud 103 None 15.	01	5. Annular sp	Amular space seal Other ace seal: Granular Bentonite-sand shurry		30 33 35
16. Drilling additives used?	6 —	Lb	s/gal mud weight Bentonite slurry  Bentonite Bentonite-cement ground the shower added for any of the above	<b>5</b>	3 1 5 0
E. Bentonite seal, top _ 187 (cft. MSL or _ 2:	30 ft.	6. Bentonite s	Tremie pumped Gravity eal: Bentonite granules n. \$\overline{\pi}3/8\$ in. \$\overline{\pi}1/2\$ in. Bentonite pellets	0	02 08 33
F. Fine sand, top NA ft. MSL or NA  G. Filter pack, top 192 & ft. MSL or 99	E ft		Other naterial: Manufacturer, product name and		
H. Well screen, top 1716 ft. MSL or 103  I. Well screen, bottom 1516 ft. MSL or 133	3 .0 ft	8. Filter pack :	material: Manufacturer, product name and	-	
J. Filter pack. bottom _1 \leq 7 \left ft. MSL or 1 a 2	o ft	9. Well casing	Flush threaded PVC schedule 40 Flush threaded PVC schedule 80 Other		23 24 
K. Borehole, bottom _ 1 5 5.6 ft. MSL or 1 2 5	.o m	Screen type			11

Signature | Line information on this form is true and correct to the best of my knowledge.

_2.5 in.

_4.0_

L. Borehole, diameter

N. I.D. well casing

M. O.D. well casing _ 4 5_

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

Other 🔲

None 
Other

0. OL Q in.

**2€** .⊙ ft.

Timo

11. Backfill material (below filter pack):

Manufacturer _

Slotted length:

Slot size:

State of Wisconsin Department of Natural Resources			ONTTORING WELL CONST rm 4400-113A	RUCTION 8-89
Facility/Project Name	Grid Location	M	Well Name	
Below Amy American Plant	4 502 538.7	₩ M. D.S.	PBN-89-104	DNR Well Numo
Facility License, Permit or Monitoring Number	327 370.4	#- DIE. [] W.	Wis. Unique Well Number	DIAK MER MRIID-
Type of Well Water Table Observation Well 201	Section Location		Date Well Installed	2 - 2 - 6 -
Piezometer 12	1/4 of 1	/4 of Section	<u> </u>	춖/ <del>결</del> 성/ <i>중국</i>
Distance Well Is From Waste/Source Boundary	TN, R	<del></del>	Well Installed By: (Person	
NA n.	Location of Well Relative	to Waste/Source	D. H. Belan / E	: C. Jordan Co.
Is Well A Point of Enforcement Std. Application?  Yes R No	☐ Upgradiens ☐ Downgradient	☐ Sidegradient ☐ Not Known		
A. Protective pipe, top elevation _289.29	ft. MSL	1. Cap and io		₽ Yes □ No
B. Well casing, top elevation _ ££9.65	R. MSL	2. Protective a. Inside di		_6.Qir
C. Land surface elevation _ LEG. T	MSL	b. Length:		_2 .Q fr
D. Surface seal, bottom ft. MSL or	fl. Same	c. Materia	<b>:</b>	Steel 🔟 04
12 USCS classification of soil near screen:		d Addition	nal protection?	☐ Ye ☐ No
GP GM GC GW SW SP	/ / 1	If yes, d	lescribe: 4 bucking Post	<u> </u>
SM DSC DML DMH DCL DCH	/ /	3. Surface sea		Bentonite 🔲 30
Bedrock	. \	3.541203	<u> </u>	Concrete 0
13. Sieve analysis attached? Yes	\ <u>888</u> 8	Managed by	brout	Other 🖾
14. Drilling method used: Rotary Hollow Stem Auger	\ 601		stweets west casting and bloses	Bentonite  30
Deel Well Other EL			ر م Amm	miar space seal
	}		Grant	Other 🗓
15. Drilling fluid used: Water   02 Air   Drilling Mud   03 None	I DWI I	5. Annular sp	mce seal: Gran	nular Bentonite
		u	s/gal mud weight B	entonite slurry
16. Drilling additives used? Yes 💆 1	<b>1</b>	<b>SI</b> 9	Bentonite Bentonite	e-cement grout 🖾 50
Describe			volume added for an	·
17. Source of water (attach analysis):		How instal		Tremie 🔲 0:
PW #2			4.	Gravity 0 08
		6. Bentonite	real· Ben	tonite granules 🔲 33
E. Bentonite seal, top _ 294 & ft. MSL or _ 9	2 p ft.		in. [3/8 in. [] 1/2 in. Be	
		<b>/</b>		Other 🚨
F. Fine sand, top	)A ft \	7. Fine sand :	material: Manufacturer, pro	duct name and mesh size
G. Filter pack, top 7 F7 3 ft. MSL or _ 9	6 ( 6	Volume ad	ded NA fr ³	
G. Filter pack, top	1.2 1		material: Manufacturer, pro	
H. Well screen, top _ 178 & fr. MSL or L6	E 0 t	Volume ad	This Shier Files	mel_
I. Well screen, bottom _ 258 & ft. MSL or 12	8.0 ft	9. Well casin	g: Flush threaded PVC	C schedule 40 🔲 23
J. Filter pack, bottom _ 25 F ft. MSL or 1 2	8.0 ft.	<b>/</b>	Flush threaded PV	Other D
0.57 % Not and 3	22.6	<b>2</b>	renal: schedule 80 00	
K. Borehole, bottom _ 2 £ 6 . 2 ft. MSL or 13		Screen typ		Factory cut
L. Borehole, diameter 95 in.		24		Other
- 4 . E Mb		Manufactor	Time	
M. O.D. well casing 4. Z_ in.		Slot size:		0. <u>01 0</u> in
		Slotted len	~	30.0 ft
N. LD. well casing _Y.D_ in.			aperial (below filter pack):	None D
I hereby certify that the information on this	form is true and co			
I USIANA CALINA MAIN THE MICHIGATION ON THE	Finn	IN BASE OF IL	.,	

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

State of Wisconsin Department of Natural Resources			NTTORING WELL CONS 1 4400-113A	STRUCTION 8-89	
Facility/Project Name	Grid Location	, N	Veil Name		
Redac Arm Americas Plant	4802 839,4 #	= D3 N. □ S	PBN-89-10	B	
Facility License, Permit or Monitoring Number		# 25 E. □ W.	Vis. Unique Weil Number		Numbe
Type of Well Water Table Observation Well 11			Date Well Installed	हें इ. के हैं। इ. के हैं।	9
Piezometer 7 12	1/4 of 1/4 of Se	ection	ī	क्तिं वै वे र	<del>·</del>
Distance Well Is From Waste/Source Boundary	TN.RDEC	-w -  \	Weil Installed By: (Perso		
NH ft.	Location of Well Relative to Was	re/Source	Dave H. Belan	/ E.C. Jor	ع بدولا
Is Well A Point of Enforcement Std. Application?  Yes Z. No	_ ,,,	odegradient Not Known	<del></del>		
A. Protective pipe, top elevation _891.99	fr. MSL	1. Cap and lock		Z Ys	□ No
B. Well casing, top elevation _£1 L. £1		2. Protective of a. Inside dist	* *	_	.Q in
C. Land surface elevation _ 22.1.1	r MSL	b. Length:		-	2.0ft
		c. Material:		Steel	<b>Z</b> 04
D. Surface seal, bottom ft. MSL or _	7 "\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		<del> </del>	Other	
12. USCS classification of soil near screen:  GP GM GC GW SW ZSP		d. Additiona If yes, des	protection?		-
SM SC OML OMH CL OCH	/ 別 円 /	3. Surface seal:		Bentonite	
13. Sieve analysis attached?  Yes	<u>,                                      </u>	\		Concrete	
1 2	\ M3 8973	Material bas	veen well casing and prote	Other	<b>A</b>
14. Drilling method used: Rotary Hollow Stem Auger	\ MG 800	4. Mareiai ben	Aces west capture and bloss	Bentonite	□ 30
Del Dell Other D		,		mular space seal	
15. Drilling fluid used: Water 102 Air	01			Other mular Bentonite	
Drilling Mud 03 None		5. Annular space	ze seat:  Gal mud weight Benu		_
/			gai mud weight benu gai mud weight ]		
16. Drilling additives used?	No		Bentonite Bentoni		
			volume added for a		
Describe	——	How installed		Tremie	□ 01
17. Source of water (attach analysis):			•	Tremie pumped	,
りかずと				Gravity	0 0 8
		6. Bentonite sea		ntonite granules	
E. Bentonite seal, top _240.1 ft. MSL or 14	19.0 ft. 👹 👹	☐1/4 in	. 🗖 3/8 in. 🗆 1/2 in. B		
F. Fine sand, top ft. MSL or	A 12	7. Fine sand ma	sterial: Manufacturer, pr	Other  oduct name and t	
		/	NA		-
G. Filter pack, top	「二年/" はに	Volume adde	naterial: Manufacturer, pr		mesh cir
H. Well screen, top _222.4 ft. MSL or 14	1.2 1	Rea fl	int Silver Filter S.		
I. Well screen, bottom _ 7224 ft. MSL or 10		Volume adde 9. Well casing:		C schedule 40	23
1. Well screen, comm _ 1 & 5 .T in this of 1 Q	A.T.	>. Well cashik.	Flush threaded PV		
J. Filter pack, bottom _ 1 2 2 .4 ft. MSL or / 4	6.2 n			Other	
K. Borehole, bottom _232.4ft. MSL or LQ	6.7 a.	10. Screen mate: Screen type:	rial: Schadule 50	Factory cut	
				Continuous slot	
L. Borehole, dismeter _ 9.5 in.		Manufacturer	Tinco	Other	<u> </u>
M. O.D. well casing _ 4 in.	`	Slot size:			. 0 L O is
N. L.D. well casing 40 in.		Slotted lengt	h: rial (below filter pack):	None	<b>点</b> ででは
				Other	

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

I hereby sentify that the information on this form is true and correct to the best of my knowledge.

Fam

Signature

State of Wisconsin Department of Natural Resources			MONITORING WELL CONST Form 4400-113A	RUCTION 8-89
Facility/Project Name	Grid Location	<u> </u>	Well Name	
Broker Arm Amountion Hay	4,802, 838.4		PBN-89-100	
Facility License! Permit or Monitoring Number	377,259.1	& Ø E. 🗆 W.	Wis. Unique Well Number	DNR Well Numb
Type of Well Water Table Observation Well 11	Section Location		Date Well Installed	2260
Piezometer 212	1/4 of	1/4 of Section	Ç _m	^짜 ( ⁴
Distance Well Is From Waste/Source Boundary	T N. R	пепи	Well Installed By: (Person	s Name and Firm)
NA n.	ocation of Well Relativ	e to Waste/Source	Das H. Celan / E	.C. Jordan Co
Is Well A Point of Enforcement Std. Application?  Yes No	<ul><li>Upgradient</li><li>Downgradient</li></ul>	Sidegradient Not Known		
A. Protective pipe, top elevation _822.04 ft.		1. Cap and	lock?	Z Ys O No
660.06			ve cover pipe:	
	15	11/	diameter.	_6.Qir
C. Land surface elevationSEU.1 f	MSL	b. Leng		_7.Qft Steel DL 04
D. Surface seal, bottom ft. MSL or	·- f		·· <del>·</del>	Other 🛚
12. USCS classification of soil near screen:			tional protection?	)   Z Yes   No
	/ /	If yes	describe: 4 bucking t	Bentonite 30
□ Bedrock	\ \	3. Surface	seal:	Concrete 🗓 0
13. Sieve analysis attached?	· \	<b>X</b>	Grad	Other 🎏
14. Drilling method used: Rotary 5		4. Material	between well casing and protec	• •
Hollow Stem Auger 4			C 1 A	Bentonite 30
Dural Well Other III	)		Cont	Other R.
15. Drilling fluid used: Water 🔲 02 Air 🛄 0	7 1608	5. Armular	space seal: Gran	ular Bentonite
Drilling Mud 🖸 03 None 🚨 9	9   🛗	<b></b>	Lbs/gal mud weight Benum	nite-sand shurry 5
16. Drilling additives used?  Yes No	,   📓		Lbs/gal mud weight Bettonite Bentonite	
			volume added for an	
Describe		How ins		Tremie 🗖 01
17. Source of water (attach analysis):			Ti	remie pumped 😰 02
	<b>─</b> ──		_	Gravity 0 08
	, _ 6	6. Bentonii	te seal: Bent /4 in. □ 3/8 in. □ 1/2 in. Be	tonite granules 3 3
E. Bentonite seal, top _ 207.2 ft. MSL or 125	2.5 n.		4 III. 14 3/6 III. 13 1/2 III. 15 C	
F. Fine sand, top UM ft MSL or NI	t ft	7. Fine san	d material: Man.	mesh size
		Volume	NA 3	
G. Filter pack, top _702.2 ft. MSL or 182	1.6 1	He Volume	added <u>A2 A</u> ft ³ ck material: Manufacturer, pro	And name and much six
H. Well screen, top _697.7 ft. MSL or 187	0 11		Clink , Silica Filher Sen	Λ
		Volume		<del></del>
I. Well screen, bottom _692 ? ft. MSL or 192	0 1	9. Well ca		_
I. Filter pack, bottom _ 492.7 ft. MSL or 19;	, _ ₆ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		Flush direaded PVC	schedule 80 🕵 24 Other 🗆
1. Filter pack, oddom _Q18.2 to hope of [4]		10. Screen r	naterial: Schoolile 80 9m	
K. Borehole, bottom _ G 19.7 ft. MSL or 201	- m	Screen t		Factory cut 🔯 11
			Co	ontinuous slot 🔲 01
L. Borehole, diameter _9.5 in.				Other 🛚
M. O.D. well casing _4 £_ in.		Manutac Slot size	ourer <u>limco</u>	0.QLQin
41. C.D. Total Committee _ 4. L _ H.		Slotted 1	ength:	_\$.0 ft
N. LD. well casing _4.D_ in.			material (below filter pack):	None [
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	form in this and as		my knowledge	Other
I hereby certify that the information on this Signature	Fam	Med to the best of	my knowledge.	
Valor De	E.C		.0.	
Please complete and return both sides of this form as rech. 144, Wis Stats., failure to file this form may result	in a forfeiture of not les	and 160, Wis. Stats., and s than \$10, nor more than	ch. NR 141, Wis. Adm. Code.  S5.000 for each day of violation	in accordance with
with ch. 147, Wis. Stats., failure to file this form may	result in a forfeiture of t	not more than \$10,000 for	each day of violation.	

State of Wisconsin Department of Natural Resources	•		MONITORING WELL CONSTI form 4400-113A	RUCTION 8-89	
Facility/Project Name	<b>6</b>			6-07	
	Grid Location	M	Well Name		
Edger How American Hout	<u> </u>	9 🔏 🗷 N. 🗆 S.	PBN-69-10D		
Facility License, "ermit or Monitoring Number	277.2%	_ <del></del>	Wis. Unique Well Number	DNR Wei	Il Numbe
	- 01/7,ddo.	tr Ma Er □ M	er dans i er en ar a		
Type of Well Water Table Observation Well 11	Section Location		Date Well Installed		
Piezometer 02 12	1	1/4 .60	04	<u>((13218</u>	2
Distance Well Is From Waste/Source Boundary	1/4 OI	1/4 of Section			
A	TN, R	UFUM	Weil Installed By: (Person's		
()   ← ft.	Location of Well Reis	tive to Waste/Source	- Chastin Moon	F.C.Ja	dean
s Well A Point of Enforcement 3td. Application?	☐ Upgradiens	☐ Sidegradient			
🛛 Yes 💆 No	☐ Downgradie	nt Not Known			
A. Protective pipe, top elevation _ 994.39		1. Cap and	lock?	A Ye	D No
B. Well casing, top elevation _ ££4.2£	ft. MSL		e cover pipe:		
5. Well casing top elevation	7	a Inside	diameter.	_	. 6. Sin
C. Land surface elevation _860.9	f MSL	b. Length	<b>:</b>		2.0ft
<del>-</del>		c. Materi		Steel	
D. Surface seal. bottom ft. MSL or _	ft_\		<del></del>		_
12 USCS classification of soil near screen:	7			Other	
GP GM GC GW GSW EKSP	1 Lines	a Additi	describe: 4 buking Pas	Z Yes	□ No
	/ / 8	If yes,	describe: 4 bulking ros	43	-
	/ /#	3. Surface s	1-	Bentonite	□ 30
	·\	3. Surface s		Concrete	O 01
13. Sieve analysis attached? 🔲 Yes 💢	No \ \$\$		(	Other	
14. Drilling method used: Rotary	50	Mercial I	perween well casing and protecti		
Hollow Stem Auger		4. Maleral	stweet wen casing and brotect.	• •	
				Bentonite	30
Duel Wall Other D	<del>===</del> \		Annul Annul	ar space seal	
			Sent	Other	0
15. Drilling fluid used: Water 🔲 02 Air 🔼	01	5. Annular s		lar Bentonite	
Drilling Mud 1 03 None 1	99				_
, <b>·</b>	88		bs/gal mud weight Bentonis		
6. Drilling additives used?	No.	L	bs/gal mud weight Ben	tonite slurry	<b>3</b> 1
	.~   📟	و کیا	6 Bentonite Bentonite-	cement grout	<b>🖳</b> 50
Describe	i (#	₹ <u>580 c</u>	volume added for any	of the above	
	——   <u> </u>	How insta	lled:	Tremie I	<b>0</b> 01
7. Source of water (attach analysis):	1 📟		Т		=
<b>9ω *-</b> 2	1 28				
	<del></del> -			Gravity [	08
	·_ 📟	6. Bentonite	seal: Bentor	nite granules [	<b>3</b> 3
Bentonite seal, top _ 661.9 ft MSL or 21	. J ft. 😡		in. \$\overline{13}/8 in. \$\overline{1}/2 in. Bent	onite pellets	
•			`	Other	
Fine sand, top _ DA _ ft. MSL or _ R	)	7 Fine small			
- DTG TA	/ / <b>(</b>	Volume at	- Management of Proces	ct name and m	nesh size
	7	S/ /	NA .		
Filter pack, top _ 659 9 ft. MSL or 22	17 / TA	Volume ad	ded <u>NA-</u> ft ³		
		8. Filter paci	material: Manufacturer, produ	et name and π	nesh size
Well screen, top _ G 48 9 ft. MSL or 23	30 m		Clust Silvin Eller Sun		
•		Volume ac		<u>~</u>	
Well screen, bottom _ 6 43 9 ft. MSL or 2 3	10 D R	Tall	•••••••••••••••••••••••••••••••••••••••		_ ^
A ST SCIENT CORDUM TO TO TO TO TO TO		9. Well casir	•	_	_
(1126			Flush threaded PVC se	chedule 80 [	24
Filter pack, bottom _ 443 9 ft. MSL or 23	2.0 f			Other [	
• • • •		10. Screen ma	perial: Schediele 60 PUC		
Borehole, bottom 425.9 ft. MSL or 25	50 km				
		Screen typ		Factory cut	_
			Cont	tinuous slot [	01
Borehole, diameter _9.5 in.				Other [	ם
		Mamufactur	er <u>Linco</u>		
O.D. well casing 45 in.		Slot size:		0.6	2 L Q in.
C.D. Well Casing _ 3 · _ m.		Slotted len	gth:		S.On.
O.D. wen come m.			<del>-</del> '		
_ ,, ,		\			
_ ,, ,		\	uerial (below filter pack):	None [	
_ ,,,,		11. Backfill ma		None [ Other [	

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with the 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

State of Wisconsin Department of Natural Resources			ONTTORING WELL CONSTI m 4400-113A	RUCTION 8-89	
Facility/Project Name	Grid Location	M	Well Name		
Budger Army American Plant	4.803,527.2	¥ BN □ S.	PBM-89-11		
Facility License, Permit or Monitoring Number	377,261.9	X DE E. DW.	Wis, Unique Well Number	DNR Well N	uno
		_ · <u> </u>			
Type of Well Water Table Observation Well 211	Section Location		Date Well Installed 0.3	102189	?
Piezometer 12  Distance Well Is From Waste/Source Boundary	1/4 of 1/4	of Section	m.n	n ad v v	<u> </u>
	TN, R	E 🗇 W	Well Installed By: (Person's	E.C. Jord	
Is Well A Point of Enforcement Std. Application?	Location of Weil Relative to	Waste/Source Sidegradient	John Smowden/	المركب المركب	CIA_CO.
☐ Yes DR No		Not Known	ļ		
A. Protective pipe, top elevation _884.49 f		1. Cap and lo		Z Ys 🖸	No
B. Well casing, top elevation _ 2864.41 f	L MSL	2. Protective a. Inside di	• •	ے_	.Oin
C. Land surface elevation _ gel. c f	· MSL	b. Length:		_1	. <u>o</u> ft
D. Surface seal, bottom ft_ MSL or		c. Material	Ŀ	Steel 22	
12. USCS classification of soil near screen:		d Adding	nal protection?		-
GP GM GC GW SW ESP	/ / / 1		escribe 4 bucking Post	<u> </u>	
DSM DSC DML DMH DCL DCH		1 1	3	Bentonite 🛘	30
☐ Bedrock	\	3. Surface sea	u:	Concrete 🗆	
13. Sieve analysis attached? Yes	~ \ KM 1991	\	Gout	Other 🗷	Ĭ.
14. Drilling method used: Rotary 5	\ M4 8001	4. Material be	tween well casing and protecti	ve pipe:	
Hollow Stem Auger 4,4				Bentonite 🗆	
Other D		/	^ L Annul	ar space seal 🔲	•
15. Drilling fluid used: Water   02 Air		<u> </u>	7(8~)	Other 🖸	-
Drilling Mud 03 None 25		5. Annular sp	ece seal: Granu s/gal mud weight Bentonis		
			s/gal mud weight Ben s/gal mud weight Ben		
16. Drilling additives used? Yes XN	b		Bentonite Bentonite		
			volume added for any		J 02
Describe	<del></del>	How install		Tremie 🔲	01
PW 15-2			Trea	mie pumped 🖪	0.2
YW 35 Z			•	Gravity 🗖	08
		6. Bentonite se	eal: Benton	nite granules 🔲	3 3
E. Bentonite seal, top _ 804 6 ft. MSL or _ 7.	2.9 ft√ 🔯 👹	□1/4 i	in. 🗷 3/8 in. 🗆 1/2 in. Bent	onite pellets 🖪	32
		/		Other 🚨	
F. Fine sand, top	F r 🖊 💹 🛗	7. Fine sand n	naterial: Manufacturer, produ	ct name and mes	sh size
G. Filter pack, top _ 299.6 ft. MSL or _ 4	2.0 11 1	Volume add			
H. Well screen, top _ 2906 ft. MSL or _ 9.		8. Filter pack	material: Manufacturer, produ	<b>A</b>	sh size
H. Well screen, top _ 1706 ft. MSL or _ 9		Volume add	-		
I. Well screen, bottom _ 7 2 0 6 ft. MSL or 11	(0 1/2	9. Well casing		chedule 40	23
			Flush threaded PVC s	chedule 80 🗖	24
J. Filter pack, bottom _220 6 ft. MSL or 111	L.o. R	10 5	erial: School & FO PUC	Other 🖸	
K. Borehole, bottom _ 25L.6 ft MSL or 131	9 ft	Screen type		Factory cut	11
				tinuous slot 🔲	0 1
L. Borehole, diameter _ 1.5 in.	· aug			Other 🛘	
M O D well resine		Manufacture Slot size:	Tipes		) A :-
M. O.D. well casing _4.5_ in.		Slotted leng	rth:	0.01	் 5 ரு. [ போ.
N. LD, well casing 40 in.		,	repal (below filter pack):	None D	· = ·r
N. LD, well casing _ 4.Q _ in.		_	charal Care	Other E	
I hereby certify that the information on this	form is true and correct				
Signature () () ()	Fam	^ ^			

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

	•						
	State of Wisconsin Department of Natural Resources	-		ONTORING WELL CONS m 4400-113A	TRUCTION 8-89		
•	Facility/Project Name	Grid Location	m	Well Name			
	Bedge Arry Arministry Plant	4,501,376.7	K ⊠ N. □ S.	PBN - 89-12A Wis. Unique Well Number		il Xi	===
	Facility License, Permit or Monitoring Number	211,088.9		W.S. Omque West Number	DIAK WE	II IAM	RUDC
	Type of Well Water Table Observation Well 211	Section Location		Date Well Installed	2.02.8	<del></del>	
	Piezometer 012	1/4 of 1/4 of	f Section	<u>O</u> m	<b>로</b> /슬글/종	. <u>.</u>	
	Distance Well Is From Waste/Source Boundary	TN, R 🗆 E	E 🗆 W	Well Installed By: (Person	is Name and Fi	m)	_
	NA fi.	Location of Well Relative to	Vasie/Source	Brain Butler / E	<u>=.C. Jorden</u>	عـد	<u> </u>
	Is Well A Point of Enforcement Sut. Application?  Yes No	] — -/ D	Sidegradient   Not Known				
	A. Protective pipe, top elevation _855.21		1. Cap and k	ck?	∑ Yes		No
	ned 11		2. Protective	cover pipe:	•		
			a. Inside di			-6.	_
	C. Land surface elevation _252.6	r MSL	b. Length:		Steel	-2.	2 ft 0 4
	D. Surface seal, bottom ft. MSL or _			*	Other	_	
	12. USCS classification of soil near screen:		d Addition	nal protection?	O Yes		No
	GP GM GC GW GSW KSP		If yes, d	lescribe: 4 bucking	1676		
-	SM SC ML MH CL CH	/ ##	3. Surface sea		Bentonite Concrete		30 01
	13. Sieve analysis attached?    Yes	No \		Grant	Other		• •
İ	14. Drilling method used: Rotary	\ 803 8000	4. Material be	tween well casing and prote		_	
	Hollow Stem Auger				Bentonite	_	30
ļ	Other 🗆	\ <b> </b>		Grant Am	mular space seal	_	
	15. Drilling fluid used: Water 🔲 02 Air 🔲	01	5. Armular sp		Other		33
	Drilling Mud 🔲 03 None 🖾			s/gal mud weight Bento			35
	16. Drilling additives used?	.	u	s/gal mud weight B	Sentonite slurry		3 1
i	16. Drilling additives used? Yes	N°		Bentonite Bentonit			50
1	Describe		How instal	36 Ft ² volume added for an	ny or the above. Tremie		0 1
	17. Source of water (attach analysis):		555 555		Tremie pumped	<u></u>	
	PW #2				Gravity		08
•			6. Bentonite	~	ntonite granules	_	3 3
	E. Bentonite seal, top _ 1 & 1 . 1 ft. MSL or _ 1	(O.9 ft.)	□1/4	in. 🗖 3/8 in. 🗖 1/2 in. B			32
	F. Fine sand, top NA ft. MSL or _	)A fL	7 Fine send	material: Manufacturer, pro	Other		
	F. Fine sand, top	6 1 12		NA			1 3122
	G. Filter pack, top _226.5 ft. MSL or _ 7	16.1 m 13 13	Volume ad				
	A C 4 MOI	\		material: Manufacturer, pro		mesi	h size
	H. Well screen, top _221.9 ft. MSL or _ 9	2.1	Volume ad			-	
	I. Well screen, bottom 7519 ft. MSL or 10	0 7 ft.	9. Well casin				23
	•			Flush threaded PV	C schedule 80	Z	24
	J. Filter pack, bottom _ 154.6 ft. MSL or _ 9	8.0 t	<b>\</b> —		Other Other		
	K. Borehole, bottom _ 2 4 2 . C ft. MSL or L C	CD 11	> 10. Screen ma Screen typ	terial: 5Chedle 60	Factory cut		ī-ī
	K. Borehole, bottom _ 277. Left. MSL or LC	1.5 "	эсгеен сур		Continuous slot	_	01
	L. Borehole, diameter _ 9.5 in.				Other		
		`		er <u>linco</u>			<u>م</u> : م
	M. O.D. well casing _4.5_ in.		Slot size: Slotted len	gth:			oin. Oft∟
	N. I.D. well casing in.		1	eterial (below filter pack):	None		
	N. I.D. well casing 4 .o in.			and Cove	Other		
	I hereby certify that the information on this		t to the best of m	y knowledge.			
•	Signature / / / / / /	Fig. 2	- 4				

Firm E.C. Jordan Co.

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure of file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

State of Wisconsin Department of Natural Resources			ONITORING WELL CONSTR m 4400-113A	NOTTON 8-89	
Facility/Project Name	Grid Location	n	Well Name	-	7
Badger Ann Ameline Plant	4.801.368.5	Æ BLN. □ S.	PBW-89-12B		
Facility License, Permit or Monitoring Number	27,058.5	E. □W.	Wis. Unique Well Number	DNR Well N	vumb
Type of Well Water Table Observation Well 11	Section Location		Date Well Installed	,, 5,00	<del></del>
Piezometer 💆 12	1/4 of 1/4 of	Section	<u>0 7</u> m m	142182	<u>;                                    </u>
Distance Well Is From Waste/Source Boundary	TN, R DE	<b>—</b> w	Well Installed By: (Person's I		
	Location of Well Relative to W	aste/Source	Jim Bus / E.C	Jorden (	2
Is Well A Point of Enforcement Std. Application?		Sidegradient Not Known			
A. Protective pipe, top elevation _856.33 ft	MSL	1. Cap and lo	ock? cover pipe:	X Yes [	No
B. Well casing, top elevation _£56.04 ft	. MSL —	a. Inside di	• •	_6	. Qir.
C. Land surface elevation \$52.6 f	MSL.	b. Length:		-2	. Oft
		c. Materia	Ŀ	Steel 2	
D. Surface seal, bottom ft. MSL or			- 1	Other [ Yes [	
12. USCS classification of soil near screen:  GP GM GC GW SW SP	/ Kinki K.		nal protection?	RA 18 F	1 140
SM SC DML DMH CL CH		, <b>,</b> ,	.5	Bentonite C	3 0
□ Bedrock	\	3. Surface sea	ul:	Concrete C	
13. Sieve analysis attached?	b \	\	Gout	Other 🛭	l
14. Drilling method used: Rotary 5	\ 000 KWI	4. Material be	etween well casing and protectiv		
Hollow Stem Auger 4			A1-	Bentonite D	
Deal Wall Other 13	\ <b>     </b>		Grant	Other 12	
15. Drilling fluid used: Water [] 02 Air [] 0	1	5. Armulær sp		r Bentonite	
Drilling Mud 1 03 None 1 9	9 📓 👹	Lb	s/gal mud weight Bentonite	-sand sharry C	3.4
16. Drilling additives used?		u	es/gal mud weight Bent	onite sharry 🛚	3 (
10. Driming southwes used: 12 La. N	°   📓 📓		Bentonite Bentonite-c		50
Describe		How install	Volume added for any o	or the above  Tremie	0 1
17. Source of water (attach analysis):		110 2012		nie pumped 5	
PW+2				Gravity [	
	1 1 9 9 4.0 ft.	6. Bentonite s	seal: Benton	ite granules [	3 3
E. Bentonite seal, top _ 138 Gft. MSL or LL.	4.0 ft√ 🔯 💆	<b>□</b> 1/4	in. \$\overline{\pi}3/8 in. \$\overline{\pi}1/2 in. Benu	mite pellets	32
		/		Other [	
F. Fine sand, top	f '- t_/	7. Fine sand i	material: Manufacturer, produ	at name and me	sh size
G. Filter pack, top	YOR B	Volume ad	ded NA ft ³		
			material: Manufacturer, produ	ct game and me	esh size
H. Well screen. top _ 119.6 ft. MSL or 13.	2.0	Red r Volume ad		<u></u>	
I. Well screen, bottom _ 114 .6 ft. MSL or 138		9. Well casin	<u></u> ''	:hedule 40	23
			Flush threaded PVC so		
I. Filter pack, bottom _114.6ft. MSL or L 3	2.0 R	10 50000 000	perial: Schedule 80 Put	Other C	·
K. Borehole, bottom _ 212.6t MSL or 14.	0.0 fm	Screen typ		Factory cut &	1 11
R. Dottine, commi				tinuous slot	
L. Borehole, diameter 9.5 in.				Other [	1
	•		er Limeo	<del></del> ^ -	
M. O.D. well casingin.		Slot size: Slotted len	oth:	_	l'Gir. L'Oin.
M. I.B. well assiss.		1	gui. sterial (below filter pack):	None C	
N. I.D. well casing _4.0_ in.			Chier cave	Other R	
I hereby cectify that the information on this	form is true and correct	to the best of m	y knowledge.		

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

Geohydrologic Study No. 38-26-0504-86, Badger AAP, HI, 9 Sep - 9 Oct 85

·																	
	PBN-65- 04A	94.0	90.0	99.5	100.5	109.5	04.0	6.0		3.3	9.0	1.0	010.	90.1	9,90	858.39	·
SENCY	PBM-65- 03A	0.4	72.0	61.7	90.3	91.7	0.3	0.9		3.3	9.0	1.0	010	79.2	75.9	840.76	Aftervel and cobbine collapsed into the boreholu
HYGIENE AGENCY WELL SUMMARY	PBM-65- 02A	0.09	9.99	125.1	134.1	135.1	60.0	6.0		3.4	9.6	1.0	010	127.5	124.1	897.40	Gravel and cobble. into the boreholu
ITAL HY	PBN-85- 01A	35.0	41.0*	106.7	117.7	116.7	35.0	6.0		3.6	9.0	1.0	010.	102.4	98.6	673.11	agravel into the
US ARMY ENVIRONMENTAL HYGIENE AGENCY GROUNDWATER MONITOR WELL SUMMARY	WELL NO.	٧	· <b>0</b>	C	O	<b>.</b>	GROUT THICKNESS	BENTONITE SEAL THICKNESS			LENGTH OF SCREEN	LENGTH OF SEDIMENT TRAP	SCREEN SLOT SIZE (14)	Vater Level from Top Steel Casing	Water Level from Ground Burface	Elevation Top Steel Casing	REMARKS
US ARI	PROJECT MARKET AND DATE 2 OCC 25	GROUND	LEVEL TIPE				BENTOMITE	3	<b>=</b>				A - TOP OF BENTONITE SEAL	8 - TOP OF SAND C - TOP OF WELL SCREEN	D – TOP OF SEDIMENT TRAP E – TOTAL WELL DEPTH	All measurements in fast except	De noted

۔ ۲٠

AEHA Form 93, 1 Aug 81 (HSE-ES)

#### <u>. 01</u> 846.78 PBM-85-73.0 85.2 94.2 95.2 67.0 9 9.0 <u>.</u> 79.5 76.2 ð 010. 863.23 PBM-85-83.0 6.96 103.9 104.9 77.0 94.1 90.5 6.0 9.0 <u>.</u> 6 010. PEM-85-865.74 88.0 121.0 122.0 88.0 94.0 **e**.0 95.9 92.2 3.7 9.0 112.0 3 Gravel and cobbles collapsed 010 70.04 884.75 PBM-85-63.0 63.0 135.7 145.7 7.0 3.4 9.0 <u>.</u> 114.2 110.8 144.7 US ARMY ENVIRONMENTAL HYGIENE AGENCY GROUNDWATER MONITOR WELL SUMMARY 6 into the boreholg 010 40.04 -20-MI 647.80 31.0 16.9 97.9 96.9 9.0 3.3 0. 77.0 73.7 07 010 42.0* 861.72 -S8-M 36.0 108.4 36.0 9.9 9.0 \$0.5 11. 7.011 9 0. 36.6 5 SLOT SIZE (1) SEDIMENT TRAP Top Steel Casing BENTONITE SEAL Water Level from Water Level from Ground Surface THICKNESS LENGTH OF LENGTH OF .. STANDPIPE LENGTH OF Elevation Top THICKNESS Steel Casing SCREEN SCREEN REMARKS WELL NO. GROUT ◂ v ٥ W 0ATE 2 0ct 85 All messurements in feet except • A- TOP OF BENTONITE SEAL 0 - TOP OF SEDIMENT TRAP C - TOP OF WELL SCREEN E - TOTAL WELL DEPTH PROJECT BARREL AAP 1 ( ) 1 ( ) 1 ( ) 1 ( ) 1 ( ) 1 ( ) 8 - 10P OF SAND BENTONITE SEAL GROUND LEVEL . SAND GROUT be noted

#### WELL CONSTRUCTION FORMS

Background	PBN-85-04A	
Wells	PBM-82-01	Deterrent Burning
	PBM-82-02	Ground
BGM-91-01	PBM-82-03	
BGM-91-02	PBM-82-04	DBM-89-01
BGM-91-03	PBM-82-05	DBN-89-02A
	PBN-82-01A	DBN-89-02B
	PBN-82-01B	DBM-89-03
Propellant Burning	PBN-82-01C	DBN-89-04A
Ground	PBN-82-02A	DBN-89-04B
_	PBN-82-02B	DBM-89-05
PBP-91-01B	PBN-82-02C	DBM-82-01
PBP-91-01C	PBN-82-03A	DBM-82-02
PBP-91-01D	PBN-82-03B	DBN-82-01B
PBP-91-02B	PBN-82-03C	DBN-82-01C
PBP-91-02C	PBN-82-04A	- 1 . 1 - 20:22
PBP-91-02D	PBN-82-04B	Existing Landfill
PBN-91-06C	PBN-82-04C	
PBN-91-06D	PBN-82-05A	ELN-91-07A
PBN-91-12C	PBN-82-05B	ELN-91-07B
PBN-91-12D	PBN-82-05C	ELM-91-10
PBN-89-01B		ELM-89-01
PBN-89-01C	Landfill 1	ELN-89-02A
PBN-89-01D		ELN-89-02B
PBN-89-02B	LOM-91-01	ELM-89-03
PBN-89-02C	LOM-91-02	ELN-89-04A
PBN-89-03B	LOM-89-01	ELN-89-04B
PBN-89-03C	LON-89-02A	ELM-89-05
PBN-89-04B	LON-89-02B	ELN-89-06B
PBN-89-04C	LON-89-03A	ELM-89-07
PBM-89-05	LON-89-03B	ELM-89-08
PBM-89-06		ELM-89-09
PBM-89-07	Settling Ponds	ELN-82-01A
PBM-89-08	and Spoils	ELN-82-01B
PBM-89-09	Disposal Area	ELN-82-01C
PBN-89-10A		ELN-82-02A
PBN-89-10B	SPN-91-02D	ELN-82-02B
PBN-89-10C	SPN-91-03D	ELN-82-02C
PBN-89-10D	SPN-91-04D	ELN-82-03A
PBM-89-11	SPN-89-01C	ELN-82-03B
PBN-89-12A	SPN-89-02A	ELN-82-03C
PBN-89-12B	SPN-89-02B	ELN-82-04A
PBM-85-01	SPN-89-02C	ELN-82-04B
PBM-85-02	SPN-89-03B	ELN-82-04C
PBM-85-03	SPN-89-03C	
PBM-85-04	SPN-89-04B	Rocket Paste Area
PBM-85-05	SPN-89-04C	
PBM-85-06	SPN-89-05A	RPM-91-01
PBN-85-01A	SPN-89-05B	RPM-89-01
PBN-85-02A		RPM-89-02
DDW 05 003		

PBN-85-03A

Nitroglycerine Pond	SWN-91-05B
NPM-89-01	SWN-91-05C SWN-91-05D
	•
New Acid Area	Base-wide
	S1101
	S1102
	S1103
	S1104
NAN-81-04B	S1105
NAN-81-04C	S1106 S1107
Oleum Plant	S1107 S1108
	S1108 S1109
	S1109 S1110
	S1111
OPM-89-02	S1112
OPM-89-03	S1112 S1113
OPM-63-03	S1113 S1114
Old Acid Area	S1115
Old Acid Alea	S1116
OAM-91-01	S1117
	S1118
	S1119
	S1120
Old Fuel Oil Tank	S1121
	S1122
FTM-89-01	S1123
PHM-91-01	S1124
	S1125
Off-Post (South)	S1126
·	S1127
PBN-91-01C	S1128
PBN-91-02B	S1129
PBN-91-02C	S1130
PBN-91-03B	S1131
PBN-91-03C	S1132
PBM-90-01D	S1133
PBM-90-02D	S1134
PBM-90-03D	S1135
PBN-90-04B	S1145
PBN-90-04D	S1146
SWN-91-01B	S1147
SWN-91-01C	S1148
SWN-91-01D	S1149
SWN-91-02C	S1150
SWN-91-02D	S1151
SWN-91-03B	S1152A
SWN-91-03C	S1152B
SWN-91-03D	S1153
SWN-91-03E	
SWN-91-04C	
SWN-91-04D	

Facility/Project Name 11D	<b>.</b>	Weil Name 86-191-91-01
SADGER 984	ft 🖂 ¼ C S.	1
Faculty License, Permit or Monitoring Number	fl [] E. [] W.	Wis. Unique Weil Number DNR Weil Number
Type of Weil Water Table Observation Weil 21 Section Location Pierometer DE SW 1/4 of N	€ 1/4 of Section _ 3	Date Well installed $\frac{\int O}{m m} / \frac{Z}{d} \frac{S}{d} / \frac{9}{v} / \frac{1}{v}$
No. of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon		Wetl installed By: (Person's Name and Firm)
	E W Waste Source	GABBY KODRIGUEZ
Is Weil & Point of Eurocement 200 Application: Operation	☐ Sidestroies	
☐ Yes ■ No ☐ Downgradi		LATHE ENVIRONMENTAL
A. Protective pipe, top elevation _ \$74.15 ft. MSL	1. Cap and k	cover pipe:
B. Well casing, top elevation _ 876 o 1 ft MSL	a. Inside di	• •
C. Lind surface elevation	b. Length:	
D. Surface seal bottom ft. MSL or ft.	c. Materia	i: Steel 1970 4
12 USCS classification of soil near screen:	d Addition	nal protection?
GP GM GC GM GW GW GSP		Benonise   30
Bedrock 13. Sieve analysis anached?   Yes  No		Concrete ES 0:
14. Drilling method used: Rotary 1 50	3. Surface see  4. Material b	etween well casing and protective pipe:
Hollow Stem Auger 1 41		Bennonise 30
LOAL WALL OIL S		Annular space seal 🖸 Other 🖸
15. Drilling fluid used: Water 13-02 Air 1 01	5. Annular sp	
Drilling Mod [203 None [299]	u	m/gal mud weight Bentonite-sand shurry 🔲 35
16. Drilling additives used?		ne/gal mud weight Bentonite shurry 3: Bentonite Bentonite-cement grout 2 50
1 3	75	
Describe 17. Source of water (attach malysis):	How install	led: Tremis 🔲 01
1		Treme pumped 🔲 02
TREODUCTION WELL #2		Gravity 2 03
E Bentonite seal, top _8273 ft MSL or 0465 ft.	6. Bentonite  1/4  7. Fine sand	real: Bentonite granules 🔲 33 in. 🖂 3/8 in. 🖂 1/2 in. Bentonite peilets 🕮 32
E Bentonite seat up 121112		Other □
F. Fine send, top ft_ MSL or ft_	7. Fine sand	material: Manufacturer, product name and mesh size
G. Filter pack top \$20 8 h MSL or Q530 h	Volume at	
	8. Filter pack	meserial: Manufacturer, product name and mesh size
H. Well screen, top _8/3.5 ft. MSL or QUI 1 ft.	Voiume ad	ST Sura SAND #4
L Well screen, bottom 8025 ft MSL or 071 3 ft	9. Weil casin	g: Flush threaded PVC schedule 40 23
J. Filter pack, bottom 295 9tt. MSL or 0780 ft.		Firsh threaded PVC schedule 80 22 24 Other  Other
	10. Screen ma	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
K. Borehole, bottom _725 St. MSL or 0780 ft.	Screen typ	Factory cut [5] 11 Continuous slot [1] 01
L. Borehole, diameter 09.6 in.		Other 🛚 💆
M. O.D. well casing 0425 in.	Manufactu Slot size: Slotted len	O. OL Qin.
N. LD. well casing Q2.75 in.	\	sterial (below filter pack): None E
		Other □
I hereby certify that the information on this form is true and	c correct to the best of m	y Knowledge.

ABB Environmental Services, I	nc.	MONI	roring well cons	TRUCTIO
Faculty/Project Name	Cod Location		Weil Name	
BADGE AAP		6 m v m s	BGM-91-02	
Facury License, Permit or Monitoring Number	<del> </del>		Mrs. Condine Meri Vinuoca	7192 Wall Co. 1
Faculty License, Permit of Monthshing Number		ft 🗆 E. 🗆 W.	With Conduct Ment Manuel	DIME METTY. 5-
Type of Weil Water Tapie Observation Weil [21]	Section Location		Date Weil installed	
Piezometer CE	1/4 oi 1,	/4 of Section	<u> </u>	- / <del>즉                                  </del>
Distance Well is From WasterSource Boundary	1	<u> </u>	Weil installed By: (Person:	Name and rimi)
NA ft.	TN, R	<u> </u>	6 ROBINEZ	
Is Well A Point of Entorcement Sta. Application?	D'Upgranier	☐ Siciegraties:	l	
☐ Yes         Xe	Downgracient	☐ Not Known	_ <u> </u>	
A. Protective pape, top elevation _ \$16.22	fl MSL	I. Cup and lo		PYG C
191.61	R MSL	2 Protective	• •	
Di mer amen Brah ana aman	1	a inside di	<del></del>	QL C
C. Land surface elevation _ 274.4	r MSL	b. Length:		26.
D. Surface seal, bottom ft_MSL or _	a. ====	c Materia	Ŀ	Steel 🖭 u -
12 USCS classification of soil near screen:	7		nal protection?	Other 🔲 '   Styles 🖂 '
1 <del></del>	1 Link	15	escribe Buentide Pasts	COM PAG
	\ \ <u>\</u>	1 n. m. seer o	EGIDS (STORIES 1931)	·
Betrock	/ 湯	3. Surface sea	d:	Bentonite 🖸 🔞
13. Sieve analysis attached?	չ. \ ∰			Concrete 🖼
_	· · \ 1224 1	A Maranal ba	erween well casing and protect	Other 🛘
14. Drilling method used: Rotary		. 4. Malerial Co	sweet wet craft an biotect	Bentonite 3:
Hollow Stem Aliger Li		<b>.</b>	<b>4</b>	
DAL WALL REV. AIR ONE IT	\ <b>\</b>		Amu	iar sbace seal
15. Drilling fluid used: Water 12-02 Air 12-	<b>1</b> 01 <b>           </b>			Other 🛘
Drilling Mud 1 03 None	99	5. Annular sp		
2			w/gal mud weight Bentom	
16. Drilling additives used?	% <b>3</b>		n/gal mud weight Ber Bentonite Bentonite	
_			Ft ³ volume added for any	
Describe	💹	How install		Tremie 🗆
17. Source of water (attach malysis):				anne bannbed 🔲 📑
PROVISION WELL # 2			•••	Gravity 🕝 0
Production were A E			, D	
GIU Ha ver ma		6. Bentonite s	in. D3/8 in. D1/2 in. Ben	mite granules [
E Bentonite seal, top _8/4.4 ft. MSL or 0.9		=114		· _
F. Fine send, top ft. MSL or	\ 鱟	7 ======		Other □
F. Fine sand, top	·- " <b>`</b> \\	وير	neserial: Manufactures, prod al C	nct usine and mean
G. Filter peck, toro \$69 4 ft. MSL or 0 9	550	Volume ad		
G. Filter peck. top _ 107.4 ft. MSL drog		···	material: Manufacturer, prod	.e. Titom has ague mad
H Well screen top 800 G ft MSL or 0 j	5 8 a	CS.		
H. Well screen, top _ 300.9 ft MSL of 21		Vogame se		7.7
L Well screen, bostom _290 G ft MSL or 0 S	170 6	9. Well casin		schedule 40 🖂 23
F Aer State poppin _FTA G =			Flush threaded PVC	
J. Filter pack, bottom _ 787.4 ft. MSL or O	820 8-			Other 🗖
J. Puter pack, couldn' _ L & L . L to . To . To . To . To .		10. Screen ma	erial: SCH 80	PVC 4"
K. Borehole, bottom _ 787.4 ft. MSL op ]	120 m	Screen typ		Factory Cut 🕞 i i
a, Boranole, Dollain _ L E A . A in 1910 C UP_ 1		Scare typ		ncinuous slot 🔲
I Bambala diamates 119 A =	\20	<b>24</b> .		Other 🛮
L. Borehole, diameter 07.0 in.		N-fees	# MONOPLEX	
M 00 04 05 =	e	Slot size:		0.015
M. O.D. well casing QIES in.		Sloged len	gth: (R.B.)	10.0
N. LD. well casing 0335 in.		\	merial (below filter pack):	None (B)
N. LD. well casing 0375 in.		*** ***********************************		

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

Let V Lister

From ABB-ES

#### MONITORING WELL CONSTRUCTION FOR:

Facility/Project Name	Grid Location	. <del></del>	Weil Name
BADGER AAP		fL □ N. □ S.	Bcm-91-07
Faculty License, Permit or Monitoring Number			Wis. Unique: Well Number DNK Well Number
Pacific License 1 dates of interest and in the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of	<del></del>		to the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of th
Type of Weil Water Table Observation Weil [2-1]	Section Location		Date Weil installed
Piezometer 🔲 🗅	1/4 of 1.	/4 of Section	mm/a81/5/
Distance Weil is From WasterSource Boundary	TN. R	пепш	Weil installed By: (Person's Name and rirm)
NA tr.	Location of Weil Keiglive	to Waste/Source	GARBY KODEWEZ
Is Weil A Point of Entorcement Sig. Application?	☐ Upgradient ☐ Downgradient		LAYNE
A. Protective pipe, top elevation _ \$63.68 ft		_l. Cap and lo	
01.0		2 Protective	<del>-</del> -
B. Weil casing, top elevation _ \$63.56 ft	L MSL	a Inside di	
C. Land surface elevation _842.1 f	MSL	b. Langth:	
D. Surface seal bottom ft MSL or	A.	c. Materia	L: Steel
12 USCS classification of soil near screen:		d Adding	nal protection?
GP GM GC GW GSW ESP		If yes, d	escribe BUCKING POSTS GRAV PAST .
SM SC DML DMH DCL DCH	\ \ <u>\</u>	3. Surrace sea	Bentonite 🔲 3 🖰
Bedrock	. 🔪 🚆 🛚	3.34.22	Concrete de U.
13. Sieve analysis anached?  Yes  Yes		× \	Other 🗖
14. Drilling method used: Rotary D 5 Hollow Stem Auger D 4	`\	. 4. Waterat or	etween weil casing and protective pipe:  Bentonite  30
DUAL WALL Other ET	<u> </u>		Annular space seal (P)
	```````````		Other 🔲
15. Drilling fluid used: Water 🔲 02 Air 🖼	1 👹	5. Azznulær sp	ace seal: Granular Bentonite 🗆 3 3
Drilling Mud 🗆 03 None 🗆 9	'' 🚆	Li	s/gal mud weight Bentonite-sand shurry 🔲 3.5
16. Drilling additives used? Yes			se/gal mud weight Bentonite slurry 🔲 3 :
10. Diming action of the			Bentonite Bentonite-cement grout 2 50
Describe		How install	Ft ³ volume added for any of the above led: Tremis 1 0:
17. Source of water (attach analysis):			Treme pumped 🔲 0:
PRODUCTION WELL # 2			Cravity 🗷 03
		6. Benwnite :	seal: Bentonite granules 🔲 3 3
E. Bentonite seal, top _ 786 1 ft. MSL or 07	50 ty 🖁	C1/4	in. [3/8 in.] 1/2 in. Bentonite pellets] 32
			WITE POWSER OTHER ET
F. Fine sand, top ft. MSL or	50 4	7. Fine sand : المحالم	material: Manufacturer, product name and mesh size
G. Filter pack, top 278 1 ft. MSL or 48.	10 to 1	Volume ad	
			material: Manufacturer, product name and mesh siz
H. Well screen, top 271 6th MSL or 08	25 2	CSS	
•		Voiume ad	ded 20 ft.)
L Weil screen, bostom _ 74/ & ft. MSL or o 9	9.5 ~	9. Well casin	•
7/1 15 100		*	Flush threaded PVC schedule 30 12 24
J. Filter pack, bottom _ Z & L _/ ft MSL or 10			serial: SCH 80 AVC 4" DIAM
K. Borehole, bottom _ 761.1 ft. MSL or Lo	• • •	Screen typ	
P Dotainie comm		Salari typ	Continuous slot 0 1
L. Borehole, diarneter 090 in.	\ <u>2</u>	<u> </u>	Other 🗖
			= monofiex
M. O.D. well casing 04.25 in.		Slot size:	0. <u>9</u> Lo in
		Slotted len	
N. LD. well casing 03.75 in.		`11. Backfill m	aterial (below filter pack): None 13/
I hereby certify that the information on this	form is true and co	rect to the hest of m	
Signature // // // // // // // // // // // // //			17 KII - 11 O O O O
(VI VI)	1 -/15/50	?- <i>F</i> <	

MONIT	TORING WELL	L CONSTR	RUCTIO	-
□ N. □ S.	Weil Name PRSP - 91	-01B		-
□ E. □ W.	Wis. Unique Weil	Numoer	DNK Well	<u>ক</u> :
on <u>23</u>	Date Weil installe	<u> </u>	1 <u>43</u> 16	<u></u>
W Source	Meri juzinien B	y: (Person s N Rigu <mark>l Z</mark>	ame and rin	m)
gracient Known	LAYNE			
1. Cap and lo			₫ Ye	<u> </u>
a. Inside di b. Langth:	aneter.			ه کی چ کی
c. Material	t 		Steel Cther	0 ÷
	nal protection?	KING PO	272	
3. Surface sea			Bentonite Concrete	
4. Maicral be	rween well casing	and protective	Other	<u> </u>
		Armia	Bentonite r space seal	8
- 5. Armular sp			Other r Bentonite	
L	s/gal mud weight. s/gal mud weight	Benu	onite slurry	
150	BentoniteFt 3 volume ad			- -
How install	led:	Trem	Tremie ie pumped Gravity	0 0:
6. Benionite s			ice granules	5 :
Bu	in 13/8 in 13/8	moss	Other	
7. Fine sand :	naterial: Manufa	CORER, Produc	t name and n	iezy s
Volume ad	material: Manufa			neih :
Voiume ad	rabo Sicio ded /G	m ³		ਜ਼ ਾ ? ?

Facility/Project Name	Gnd Location		Weil Name	
BADER AAP		ft. □ N. □ S.		
ramury License. Permit or Monitoring Number			Wire Linious Wail Number	DNR Well No
		ft	and the second second	
Type of Weil Water Table Observation Weil 11	Section Location		Date Weil installed	
Piezometer Q-C	NE 1/4 01 NEW	114 of Carrier 23	To	를 / 근로 / 년 · ·
Distance Weil is from WasterSource Boundary	1		Weil installed By: (Person s	n d d v v
- 44	T 10 N. R 0	. 20E [] W		
	Location of Weil Keinly	e to WasterSource	- G KODRIGUEZ	<u> </u>
is Weil A Point of Enforcement Sta. Application?	☐ Upgratient	☐ Sidegracient	1 /	
☐ Yes 25 %	Downgodient	☐ Not Known	LAYNE	
A. Protective pipe, top elevation _ 850 60	E MSL	I. Cap and	lock?	Gra []
05. 62	e Mei	2 Protectiv	e cover pipe:	
B. Weil casing, top elevation 020.23		a Inside	dismeter.	ا کی و
C. Land surface elevation _ 448.3	MSL	b. Length	h:	06.
VI 22/0 VIII 2 V	ا بسر	c. Mater	ial:	Steel 🗗 0
D. Surface seal bottom ft. MSL or	ft \			Cther []
12 USCS classification of soil near screen:		d Addin	onal protection?	G-Yo II
CB CW CC CA GA EA 2M EA 25	1 7.0	If year	describe BUCKING 1	220
SM SC OMLOMHOC. OCH		17 \		
☐ Bedrock	\ <u>\alpha</u>	3. Surface s	eal:	Bentonite 🗆 🔭
13. Sieve analysis attached?	د / ﴿			Concrete G
	· \			Other 🛚 _
14. Drilling method used: Rotary	٧	¥4. Mai∈iai	perween wer casing and buses:	• •
Hollow Stem Auger	41 \			Bentonite
DIAL WALL OTE [\ 		Armu	ılar space seal 📴
				Other 🚨
15. Drilling fluid used: Water 12-02 Air	Ot 🛗	5. Armular	space seal: Gram	ular Bentonite
Drilling Mud 🖂 03 None 🚨	99		bs/gal mud weight Bentoni	
}	50 41 99 6		be/gal mud weight Be	
16. Drilling additives used? Yes	6 2		% Bentonite Bentonite	
			Ft 3 volume added for any	
Describe N/A	🚆	How inst		Tremie 🗖
17. Source of water (attach analysis):		1104 1121		_
		33	117	emie pumped 🔲 0
PRODUCTION WELL #				Gravity 📴 😙
		6. Bentanitu Cly S & 3 7. Fine same	e seal: Benu	onite ganules 📮 📋
E. Bentonite seal, top ft. MSL or _ =	ft. 💥		4 in 3/8 in 1/2 in Ber	ntonue pellets 🔲 💃
=		3 / 3	NOWS 3 11 HOTEL	Other 🖽
F. Fine sand, top ft. MSL or -	- r \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	7. Fine same	i material: Manufacturer, prod	
**************************************	·-·- / / 🛱		Manuacia, po	
G. Filter pack, top 7243 ft MSL or 42	WA RE	Volume :	ده سب	
G. Filter pack, top _ IZI > IL Mill of Z2				
H. Weil screen, top 7/4.3 ft. MSL or / 3	404		eksteriel: Manufacturer, prod 6 (A-60 Silica SH	
H. Weil screen, top 7/7.3 ft. MSL or 13				ND AL
L Well screen, bottom \$7043 ft. MSL or / 4		Volume		
L Weil screen, bottom \$1972 it MSL or / 9		9. Well cas		schedule 40 🕝 2
74//2			Flush threaded PVC	
J. Filter pack, bottom _ 7043 ft. MSL or (4	140 1- 12			Other 🚨 🗓
•		10. Screen n	namerial: SCH 40 PI	<u>/ </u>
K. Borehole, bottom _ 593.5t. MSL or 25		Screen t	/De:	Factory cut (1)
				ntinuous slot 📮 (
L Borehole, diarneter 09 0 in.	\22			Other 🗖
Philippie manage 61'7 ar	•	N-stand	TIMED	
W OD well envire C + 25 =		Slot size		0.010
M. O.D. well casing QL 35 in.		Sloned I		6.07
		\	•	None 💆
N. LD. well casing QL. L. o in.		'II. Backbill	material (below filter pack):	
				Other
I nereby certify that the information on this			my knowledge.	
Signature 117	Fam My	?-ES		_
Mark Kenter	14/15/1			

MONITORING WELL CONSTRUCTION FOR:

Facility/Project Name	Crid Location		Weil Name
RADORA AAP	F	fL □ N. □ S.	PBP - 91 - 01C
Faculty License, Permit or Monitoring Number			Wis Unique Well Number DNR Well Number
	l ————	ft. 🗆 E. 🗆 W.	
Type of Weil Water Table Observation Well 11	Section Location		Date Weil installed
Piezometer 22	NE 1/4 oi NW 1	4 of Section 23	<u> </u>
Distance Well Is From WasterSource Boundary	T 10 N. R 6		Well installed By: (Person's Name and Firm)
· NA ft.	Location of Well Kelative	to WasterSource	G ROBRIOUEZ
Is Weil A Point of Entorcement Std. Application?	Upgradieni □	☐ Sidegratient	LAYNE
☐ Yes 5 No	Downgradient .	Not Known	
A. Protective pipe, top elevation _ \$50 60		1. Cap and lo	2 2
B. Weil casing, top elevation _850.53	ft. MSL	a Inside di	ameter: 0.6.0 in
C. Land surface elevation _ 248 3	F MSL	b. Length:	
D. Surface seal bottom ft MSL or _	n	View Property of the Control of the	Cther 🗖 _
12 USCS classification of soil near screen:		d Addition	nal protection?
	/ / (1)	If yes, d	bornibe Buchenia +bats
SM OSC OMLOMBOCLOCH		3. Surface se	
□ Bectrock	. \), Surface Se	Concrete 🗗 0:
13. Sieve analysis attached? Yes	\ 1721 1	X	Other 🛚
14. Drilling method used: Rotzry	\ M1 1	*4. Maichal b	erween weil casing and protective pipe:
Hollow Stem Auger			Bentonite 🔲 3 0
DUAL WALL Other [· \		Armular space seal
15. Drilling fluid used: Water 202 Air	oı 🖁	5. Armular st	Other Ot
Drilling Mud [] 03 Name []	99		na/gal mud weight Bentonite-sand shurry 3 5
			x/gal mud weight Bentonute slurry 3:
16. Drilling additives used?	%		Bentonite Bentonite-cement grout 6 50
Day-the			Ft ³ volume added for any of the above
Describe	😹	How restal	•
			Tremie pumped 🔲 0 c
PRODUCTION WELL AZ	%		Ganty 🗗 0 s
/987 //		6. Benunite :	
E Bentonite seal top _4883 ft MSL or /4	2.0 %		in []3/8 in []1/2 in Benwaue pelleu [] 3?
F. Fine sand, top ft. MSL or			
_		/ / Fune saint	material: Manufacturer, product name and mesh size
G. Filter pack top 6783 ft. MSL or 21	المارية	Volume ad	dedft ³ s material: Manufacturer, product name and mesh su
H. Well screen, top _4683 ft. MSL or C &	10 0 m		Manufacture, product name and mean surely to the Silver Si
•		Voiume so	ided <u>/G</u> ft ³
L Well screen, bottom _658.3 ft. MSL or / 9	0.0 1	9. Well casir	
1587			Flush threaded PVC schedule 30 🔲 24
J. Filter pack, bottom 658.3ft. MSL or 13	0.0 1	10 5===	uerial: SCU 40 PV C
K. Borehole, bottom	30 a.	Screen ny	
The potentiales bottom in the	····· \		Continuous slot 🔲 0
L. Borehole, diameter Q10 in.	\24	~	Other 🗖
	•	Manufactu	TIMCS
M. O.D. well casing 01,25 in.		Slot size:	0. <u>01 0 ir</u>
No among the contract of the c		Sloaed les	aterial (below filter pack): None
N. LD. well casing Q1.19 in.		II. Dactoil m	aterial (oetow inter pack): Note a
I hereby certify that the information on thi	s form is true and co	rrect to the best of n	
Signature Signature	Fam ANIC	?-E<	



Facility/Project Name	Gnd Location		Weil Name	
BADGER AAP		ft ☐ N. ☐ S.	PBP-91-01D	
Faculty License, Permit or Monutoring Number		fr DE. TW.	Wis. Unique Well Number	DNK Well No
Type of Weil Water Taple Observation Weil [1]	Section Location	. 1	Date Weil installed	112191
Piezomers II 2	NE 1/4 01 NW	1/4 of Section 23		교/ <u>실록/</u> 역부
Distance Well Is From WasterSource Bournaary	T 10 N. R (0		Weil installed By: (Person	s Name and rum)
. NA ft.	Location of Weil selative	E to WasterSource	6 RONALOUS	3
Is Well A Point of Entorcement Std. Application?	Location of Weil Aciative	☐ Sidegradient		
☐ Ya 15 %	Downgracient	☐ Not Known	LAYNE	
A. Protective pipe, top elevation 850 60	Ł MSL	1. Cap and lo		ZYS D
B. Weil casing, top elevation 850 53		2 Protective 2 Inside de	• •	26.9
C. Lind surface elevation848_3 1	MSL	b. Length:		QG . C
D. Surface seal bottom ft MSL or	1	, Maleria	# 	Steel C
12 USCS classification of soil near screen:		d Addino	uni protection?	O Ye Di
D CP D CM D CC D CW D SW D SP	/ / !!!	L'yes, c	describer Bucking	9842
SM SC SML SMH SCL SCH	/ 湯	3. Surface se	ai-	Bentonite 🛘
	, \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		 -	Concrete E
13. Sieve analysis attached?	b / a	X		Other 🔲
14. Drilling method used: Rotary []		4. Material b	erween weil casing and protect	
Hollow Stem Auger				Bentonite 🗆
DUAL WALL OTHER IT			Arm	ular space seal 🗵
	📓	—		Other
15. Drilling fluid used: Water 12 Air 27		5. Armular sq		ular Benton
Drilling Mud 🗆 03 None 🚨	" 】		x/gal mud weight Benton	
16. Drilling additives used?	٤ ا		x/gal mud weight Be	
10. Diming standard date.			Bentonite Bentonite	
Describe			Ft volume added for any	
17. Source of water (attach analysis):		How restal		Tremie 🔲
#2 PRODUCTION PUMP			Tr	emie pumped 🔲
# L "PRODUCTION TUMP				Gravity 🖫
		6. Benunite	seal: Bens	onice granules 🔲 📑
E Benionite seal top _627.3 ft MSL or 23	1.0 1.0		in 13/8 in 11/2 in Be	
		1000 Z	LOTILE SOMPEU	
F. Fine sand, top ft. MSL or	10 de 10 de	7. Fine sand	material: Manufacturer, proc	price unue and mezh a
G. Filter pack, top 6/73 ft. MSL or 23	10 0	r:::: /	dedft ³	
H. Weil screen, top 4058 ft. MSL or 2 4		8. Flier pack	material: Manufacturer, pro	COLCT TIETHS AND THESE
H. Weil screen, top 1020 it MSL or 21	4.2	<u> </u>	ralso Sived Som	S # 4
L Well screen, bostom _ 5958 ft. MSL or 2 5	250	Volume so 9. Well casir		schedule 40 🗗
		R	Flush threaded PVC	schedule 30 🔲
J. Filter pack, bottom _575 3 ft. MSL or 25	3 0 K		20. 110 01	Other []
K Borrhole horror 5957 ft. MSL or 5	70.6	10. Scroen ma		<u>rc</u>
K. Borehole, bottom 273.2 ft. MSL or 22	"\	Screen typ		Factory cut B
		2	Co	ontinuous slot
L. Borehole, diameter 90 in.		\	Tlases	Other 🛚
		•	TIMCO	0.019
M. O.D. well casing _1.22 in.		Slot size: Sloted les	eth.	16.
		1	-	
N. LD. well casing		'II. Backhilm	sterial (below filter pack):	None Other
I hereby certify that the information on this	form is true and co	errect to the hest of a	tv. knowledge	
Signate	Fam	most to the pest of the		

MONITORING WELL CONSTRUCTION FOR:

Facility/Project Name BADE CR AAP	Gnd Location	ft. □ N. □ S.	Weil Name PBP-91-02B	
Faculty License, Permit or Monitoring Number		fr 🖸 E. 🗆 W.	Wis Unique Well Number	DNK Well Nume:
	<u> </u>	u . u . u		
Type of Weil Water Table Observation Weil 11	Section Location NE 1/4 of Nul 1		Date Weil installed	115191
Distance Weil Is From WasterSource Bournary			Weil Installed By: (Person s	Name and rum)
•	T 10 N. R 6	DE CO W	G ROBRIGUEZ	
	Location of Weil Relative		LAYNE	
☐ Yes ② No	@ Downgodient	Not Known		PYS No
A. Protective pipe, top elevation850_10 f			cover pipe:	E 12 F VC
B. Well casing, top elevation _ 850.09 f	1	a Inside d		٥ <u>٠</u> . و :-
C. Land surface elevation _8476 f	MSL	b. Length		46.0ft
D. Surface seal bottom ft MSL or	- A	c Materia	n:	Steel 122 0 ÷ Other □
12 USCS classification of soil near screen:		d Addition	mal protection?	
GP GM GCC GGW GSW GSP	/ / /	Lyes.	describe Brezine	B373 -
SM SC ML MH CL CH	/ 湯	3. Surixe se	al:	Benienie 🗆 3
13. Sieve analysis attached? Yes	i \			Concrete D 0:
14. Drilling method used: Rotary D	io \	4. Мастаі ह	etween well casing and protect	
Hollow Stem Auger 🔲 4				Bentonite 🛛 3
DUAL WALL ONE D.	== \ 			lar space seal []
15. Drilling fluid used: Water 1902 Air	oı 🗒	5. Armular s		Other D
Drilling Mud 🗆 03 None 🗖			bs/gal mud weight Bentoni	
16. Drilling additives used?		L	bs/gal mud weight Ber	ntonute slurry 🔲 3 .
to pumpik attitude meer.	° 🚆		Bentonite Bentonite	
Describe		How mate	'Ft 3 volume added for any	of the above Tremie 0 :
17. Source of water (attach analysis):				mie pumped 🔲 01
PRODUCTION WELL #2				Granty 1 0 3
	SONE E		seal: Bento	
E Bentonite seal top NONE ft MSL or No	Sec. 4	C1/4	in 13/8 in 11/2 in Ben MONITE YOUDER	tonue pellets 31
F. Fine sand, top NONE ft. MSL or N	ONE to B		material: Manufacturer, produ	
		8 //		
G. Filter pack, top _ 227 G ft. MSL or /2	و ق هر کوا	Volume a		
H. Well screen, top _7/7.3tr MSL or/3	036	i::-1 / ·	k material: Manufacturer, prod o 1000 Sillica	Service and mean size
• = = = :	•	Voiume s		
L Well screen, bostom _2673 ft. MSL or /4	030	9. Well cass	•	schedule 40 📴 23
J. Filter pack, bottom _ 206 6 ft. MSL or 4			Flush threaded PVC	
· · · · · · · · · · · · · · · · · · ·		10. Screen m	aterial: SCU 40 F	Other 🛚 🛴
K. Borehole, bottom _ 594. L ft. MSL or 25	3.5 m.	Screen ty		Factory out 11
_			Co	ntinuous slot 🔲 0
L Borehole, diameter 690 in.		了 ·		Other 🛚 📜
M. O.D. well casing 0/25 in.		Slot size:	Ta Mu	0.616 %
_		Slotted le		19.96
N. LD. well casing Of 10 in.		11. Backfill n	naterial (below filter pack):	None O
	form in this case of	read to the best of	mu kaawladaa	Other 🗆
I hereby certify that the information on this Signature	Firm 1 1		ny knowiecge.	
Signature Hort & Planton	91151	3-E5		
				_



	осадон		Weil Name	
BADGER AAP		ft 🛮 X 🗆 S.	PBP-91-02C	
Facility License, Permit or Monitoring Number		ft [] E. [] W.	Mrz Curdne Mert Vinuoci	DNR WELL NO
		ц ц и.		
	n Location		Date Weil installed	0114191
Piezometer G12 N2	_ 1/4 of _ NW 1/4 of 5	Section 25		0 1 4 4 1 2 4
Distance Well is From WasterSource Boundary	2 N. R 6 20E	пw	Weil Installed By: (Perso	
NA (t. Locati	on of Weil Kelative to Wi	sie/Source	G KODRIGUE	3
			LAYNE	
		Not Known		
A. Protective pipe, top elevation _ \$50.20 ft. MSI		I. Cap and lo		@Ya []
B. Well casing, top elevation _ 850 07 ft. MSI	·	2 Protective of a Inside dia	• -	•
		b. Length:	meta:	٠. وَرَانَ
C. Lind surface elevation _ 242 G + MSI		e. Material	•	오 . 일 오 . 일
D. Surface seal bottom ft MSL or	人 泰元 1 1 1 1 1 1 1 1 1 1		•	Cther [2]
12 USCS classification of soil near screen:		d Addition	al protection?	e_Ye □ ₹
□ GP □ GM □ CC □ GW @ SW □ SP		If yes, de	Bucking +	\$ 175
DSM DSC DML DMH DCL DCH \	/訂 []/	. \		Benonire []
☐ Bedrock	₩ ₩	3. Surface sea	Ŀ	Concrete G
13. Sieve analysis anached?				Other 🎞
14. Drilling method used: Rotary 1 50	\	4. Marcial be	tween well casing and prot	
Hollow Stem Auger 41	\			Bentonite []
Byar WALL Other D	\		Aı	mular space seal
				Other
15. Drilling fluid used: Water 202 Air 201		5. Armular sp	ce seal: Gr	anular Bento
Drilling Mud 🗆 03 None 🗆 99			s/gal mud weight Bent	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
			s/gal mud weight	
16. Drilling additives used? I Yes INo			Bentonite Benton	
		150	Ft ³ volume added for a	my of the above
Describe		How install	ed:	Tremie 🔲 ,
17. Source of water (attach malysis):				Tremie pumped 🔲 (
PRODUCTION WELL # Z				Gravity 🖫 (
		6. Benanice s	eal: Be	atoure Enumer 🔲 🗎
E Bensonite seal, top _6876 ft MSL or / 66 0	ام الله الله الله الله الله الله الله ال		in C3/8 in C1/2 in 1	
		/ Bun	BNITE POWDS	C- Other 17
F. Fine sand, top ft. MSL or		7. Fine sand o	naterial: Manufacturer, p	roduct name and mesh s
		/	<u> </u>	
G. Filter pack top 6776 th MSL or 1700		Volume add	ied ft	3 -
1127			material: Manufacturer, p	roduct name and mesh
H. Well screen, top 667 3th MSL or 180 3				Sans
/ 67 3 104 3		Voiume ad	dect (3
L Well screen, bottom 657.3tt MSL or 190 3		9. Well casin	•	
6530 6640			Flush threaded P	VC schedule 80 🔲 .
1. Filter pack, bottom 457.0t. MSL or 1900	n.	\		Other 🛚 🔾
K Borrhole bottom _ 594 L ft. MSL or 2 53 5		10. Screen mai	erial: Seu 40 P	<u> </u>
K. Borehole, bottom		Screen type		Factory cut
				Continuous slot [] (
L Borehole, diameter 090 in.				Other 🛛 📜
			TYMCO	0.21.
M. O.D. well casing QL, ΣΣ in.		Slot size: Sloted len	eth•	0. <u>21.</u> 2
		•	•	
N. LD. well casing Q1.10 in.		. 11' Paccont wa	uerial (below filter pack):	Non
	ie tale ser come	an the best of m	u kaawladaa	Other
I hereby certify that the information on this form	Pitta		y knowieoge.	
Signature Per Renting	AISS-ÉS	5		
100 101 10000				

	JOB NO. C 10313	
<u>-</u>	BORING NO. PBM-82-01	
本本 	DATE3/18/82	
(9)	CHIEF: Larry F.	
LOCATIO	N Badger Army Ammunition Plant; Propellent Burning @	iroun
Elev. 855.7	All <u>depth</u> measurements of <u>well detail</u> assumed to be from ground surface unless otherwise indicated.	
	DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 100 FEET.	
5	DEPTH OF BOTTOM OF SEAL (if installed) FEET.	
	DEPTH TO TOP OF SEAL (if installed) 45 FEET.	
	LENGTH OF PVC WELL SCREEN, 20 FEET.	
	5 TOTAL LENGTH OF PIPE 82.5 FEET 9 4 IN. DIAMETER.	
3	6 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel	
	7 CONCRETE CAP, YES NO (Circle One)	
	8 HEIGHT OF WELL CASING ABOVE GROUND 2.5 FEET.	
4 6	9 PROTECTIVE CASING? YES NO (Circle One) HEIGHT ABOVE GROUND 2.5 LOCKING CAP? YES NO (Circle One)	
	(10) TYPE OF BACKFILL: 5:1 Cement: Bentonite	
	11) THICKNESS OF GRAVEL PACK 35 FEET.	
	DEPTH TO FIRST COUPLING 3 FEET. COUPLING INTERVAL 9 75 FEET.	
	13 TOTAL DEPTH OF BOREHOLE 100 FEET.	
BORING#	DATE TIME DEPTH TO WATER REMARKS	_
13 PBM-82-01	5/11/82 - 83.65' From top of ca	asing
	•	

	WELL DETAIL IN	URMATION S	HEET .	
		OB NO.	C 10313	
			PBM-82-02	
本 本 	0/3.32	ATE		·
(9)	(HIEF	Larry F.	
		Army Ammur	ition Plant; Propel	lent Burning Grounds
	to be indicated as the second of the second	from ground ted. PTH TO BOTT	ements of <u>well detail</u> isurface unless oth TOM OF WELL POINT OF 114 8 FE	ierwise
5	2 08	PTH OF BOTT 87	OM OF SEAL (if inst	alled)
	3 DE	PTH TO TOP 67	OF SEAL (if install FEET.	ed)
	0 4 LE	NGTH OF PVC 20. FE	WELL SCREEN, ET.	
	<u> </u>	4	IN. DIAMETER.	EET
	3) PO	INT OR SLOT	R MATERIAL AROUND W	el
	\sim		YES NO (L CASING ABOVE GROUFEET.	
4	HE	CKING CAP?	SING? YES NO SERVICE NO NO NO	· ·
	1 (10) TY	PE OF BACKE	ILL: 6:2 Cement:	Bentonite
₩		ICKNESS OF	GRAVEL PACK 27	g FEET.
	(12) DE	PTH TO FIRS	T COUPLING 7.	
	(13) TO	TAL DEPTH O	F BOREHOLE 114.8	FEET.
	BORING# DATE	1	DEPTH TO WATER	REMARKS
(13)				
	PBM-82-02 5/11/8	-	99.40'	From top of casing
•				
			İ	

•	JOB NO. C 10313
	BORING NO. PBM-82-03
Elev. 864.88	DATE 3/16/82
(9)	CHIEF Larry F.
LOCATIO	N_ Badger Army Ammunition Plant; Propellent Burning Grounc
Elev. 862.7	All depth measurements of well detail assumed
	to be from ground surface unless otherwise
	indicated.
	DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 107.25 FEET.
5	2 DEPTH OF BOTTOM OF SEAL (if installed)
	3 DEPTH TO TOP OF SEAL (if installed)
10	4 LENGTH OF PVC WELL SCREEN,
	5 TOTAL LENGTH OF PIPE 89.75 FEET 0 4 IN. DIAMETER.
	6 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel
<u> </u>	7) CONCRETE CAP, <u>YES</u> <u>NO</u> (Circle One)
	8 HEIGHT OF WELL CASING ABOVE GROUND 2.5 FEET.
4	9 PROTECTIVE CASING? YES NO (Circle One) HEIGHT ABOVE GROUND 2.5 LOCKING CAP? YES NO (Circle One)
	(10) TYPE OF BACKFILL: 4:2 Cement: Bentonite
<u> </u>	×
	11) THICKNESS OF GRAVEL PACK
	12) DEPTH TO FIRST COUPLING 0 FEET. COUPLING INTERVAL 9.75 FEET.
	^
	(13) TOTAL DEPTH OF BOREHOLE 107.25 FEET.
BORING#	DATE TIME DEPTH TO WATER REMARKS
PBM-82-03	5/11/82 - 91.70 From top of casing
·	
•	

		JUI	3 NU	C 10313	
		BOR	RING NO	PBM-82-04	
	lev. <u>871.59</u>			3/17/82	
				Larry F.	
(8)	LOCATION	N Badger A	rmy Ammur	nition Plant; Prope	ellent Burning Grounds
	Elev. 869.0	All dept to be fr indicate	th measure om ground d.	ements of <u>well deta</u> d surface unless of FOM OF WELL POINT (ail assumed therwise
		SLOT	TED PIPE_	113 F	EET.
5	(2 DEPT	H OF BOTT	TOM OF SEAL (if ins	stalled)
	. (3 DEPT	H TO TOP 58	OF SEAL (if instal	led)
	10 (4 LENG	TH OF PVC	WELL SCREEN,	
	(5 TOTAL	L LENGTH	OF PIPE 95.5 IN. DIAMETER.	FEET
	(3)	6 TYPE	OF FILTE OR SLOT	R MATERIAL AROUND TED PIPE Pea Grave	WELL el .
	- (7) CONCI	KETE CAP.	YES NO	(Circle One)
	2	$\tilde{}$		L CASING ABOVE GRO	·
				FEET.	
	6) (- HE LOS	CTIVE CA HT ABOVE ING CAP?	SING? YES NO PES NO YES NO	<u> </u>
					-
* *	(1)	10) TYPE	OF BACKF	ILL: 4:2 Cement:	Bentonite
	(11) THICK	CNESS OF	GRAVEL PACK 31	FEET.
	(12 DEPTH COUPL	TO FIRST	T COUPLING 5. RVAL 9.75	75 FEET.
	(13) TOTAL	DEPTH O	F BOREHOLE 113	FEET.
	PODTNO# 1	О .	•		
(13)	BORING#	DATE	TIME	DEPTH TO WATER	REMARKS
	PBM-82-04	5/11/82	-	98.63'	From top of casing
	İ	İ	ļ		ŀ

	JOB NO. <u>C 10313</u>
	BORING NO. PBM-82-05
在 1 1 1 1 1 1 1 1 1 1	DATE 5/3/82
9	CHIEF Tom O.
LOCATIO	ON <u>Badger Army Ammunition Plant; Propellent Burn</u> ing Ground
Elev. 874.5	All <u>depth</u> measurements of <u>well detail</u> assumed to be from ground surface unless otherwise indicated.
	DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 121.25 FEET.
5	2 DEPTH OF BOTTOM OF SEAL (if installed) 85 FEET.
	3 DEPTH TO TOP OF SEAL (if installed) 65 FEET.
10	4 LENGTH OF PVC WELL SCREEN, FEET.
00 00	5 TOTAL LENGTH OF PIPE 103.75 FEET 0 IN. DIAMETER.
	6 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel.
	7 CONCRETE CAP, YES NO (Circle One)
	8 HEIGHT OF WELL CASING ABOVE GROUND 2.5 FEET.
4 6	9 PROTECTIVE CASING? YES NO (Circle One) HEIGHT ABOVE GROUND 2.5 LOCKING CAP? YES NO (Circle One)
<u> </u>	10) TYPE OF BACKFILL: 5:2 Cement:Bentonite
	11) THICKNESS OF GRAVEL PACK 36.25 FEET.
	DEPTH TO FIRST COUPLING 5.5 FEET. COUPLING INTERVAL 9.75 FEET.
	(13) TOTAL DEPTH OF BOREHOLE 121.25 FEET.
BORING#	DATE TIME DEPTH TO WATER REMARKS
13 PBM-82-05	5/11/82 - 104.14' From top of casing
1	
'	
<u></u>	
•	

	JOB NO. C 10313
	BORING NO. PBN-82-01A
Elev. 884.51	DATE3/18/82
	CHIEFLF
B LOCATIO Elev. 881.5	N Badger Army Ammunition Plant: Propellent Burning Ground
7	All <u>depth</u> measurements of <u>well detail</u> assumed to be from ground surface unless otherwise indicated.
	1 DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 115.25 FEET.
5	DEPTH OF BOTTOM OF SEAL (if installed) 93 FEET.
	3 DEPTH TO TOP OF SEAL (if installed) 73 FEET.
10	4 LENGTH OF PVC WELL SCREEN, 10 FEET.
	5 TOTAL LENGTH OF PIPE 107.75 FEET 0 1N. DIAMETER.
(11)	6 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel .
	7) CONCRETE CAP, YES NO (Circle One)
2	8 HEIGHT OF WELL CASING ABOVE GROUND 2.5 FEET.
4 6	9 PROTECTIVE CASING? YES NO (Circle One) HEIGHT ABOVE GROUND 2.5 LOCKING CAP? YES NO (Circle One)
	10) TYPE OF BACKFILL: 5:1 Cement: Bentonite
(XX)	11) THICKNESS OF GRAVEL PACK 22.25 FEET.
	DEPTH TO FIRST COUPLING 8.0 FEET. COUPLING INTERVAL 9.75 FEET.
	13 TOTAL DEPTH OF BOREHOLE 115.25 FEET.
BORING#	DATE TIME DEPTH TO WATER REMARKS
13 PBN-82-01A	
	in the same of the
•	

	JOB NO. <u>C 10313</u>
- 002 70	BORING NO. PBN-82-01B
1 Elev. 883.70	DATE3/10/82
9	CHIEF LF
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N <u>Badger Army Ammunition Plant: Propellent Bur</u> ning Ground
Elev. 881_5	All <u>depth</u> measurements of <u>well detail</u> assumed to be from ground surface <u>unless</u> otherwise indicated.
	DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 129 FEET.
5	2 DEPTH OF BOTTOM OF SEAL (if installed) 111.5 FEET.
	3 DEPTH TO TOP OF SEAL (if installed) 82 FEET.
	4 LENGTH OF PVC WELL SCREEN, PEET.
	5 TOTAL LENGTH OF PIPE 129.5 FEET 0. DIAMETER.
	6 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel
	7 CONCRETE CAP, YES NO (Circle One)
2	8 HEIGHT OF WELL CASING ABOVE GROUND 2.5 FEET.
4	9 PROTECTIVE CASING? YES NO (Circle One) HEIGHT ABOVE GROUND 2.5 LOCKING CAP? YES NO (Circle One)
	10) TYPE OF BACKFILL: 5:2 Cement: Bentonite
<u>* (1)</u>	
	11) THICKNESS OF GRAVEL PACK 17.5 FEET.
	(12) DEPTH TO FIRST COUPLING 0 FEET. COUPLING INTERVAL 9.75 FEET.
	(13) TOTAL DEPTH OF BOREHOLE 129 FEET.
BOR I NG#	DATE TIME DEPTH TO WATER REMARKS
13 PBN-82-01B	5/11/82 - 108.67' From top of casing
•	

	JOB NO	•
	BORING NO. PBN-82-01C	
大	BORING NO. <u>PBN-82-01C</u> DATE 3/10/82	
(9)	CHIEF LF	
LOCATION	adger Army Ammunition Plant: Prope	<u>lent Burning Grounds</u>
Elev. 881.5	ll <u>depth</u> measurements of <u>well detai</u> o be from ground surface unless oth ndicated.	<u>l</u> assumed erwise
	DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 138.5 FE	ET.
5	DEPTH OF BOTTOM OF SEAL (if inst.	alled)
	DEPTH TO TOP OF SEAL (if install feet.	ed)
	LENGTH OF PVC WELL SCREEN, 2 FEET.	
	TOTAL LENGTH OF PIPE 139 F. @ 4 IN. DIAMETER.	EET
(11 _\) (10)	TYPE OF FILTER MATERIAL AROUND W POINT OR SLOTTED PIPE <u>Pea Grave</u> l	
) CONCRETE CAP, YES NO (Circle One)
2	HEIGHT OF WELL CASING ABOVE GROU 2.5 FEET.	
(4) (6)	PROTECTIVE CASING? YES NO HEIGHT ABOVE GROUND 2.5	(Circle One)
	LOCKING CAP? YES NO	(Circle One)
	O) TYPE OF BACKFILL: 8:3 Cement: Be	ntonite
	1) THICKNESS OF GRAVEL PACK	32.5 FEET.
	2) DEPTH TO FIRST COUPLING 0	FEET.
. 💥	COUPLING INTERVAL 9.75	
	3) TOTAL DEPTH OF BOREHOLE 138.	5 FEET.
BORING#	DATE TIME DEPTH TO WATER	REMARKS
13 PBN-82-01C	5/11/82 - 108.88'	From top of casing
•		
		, .

		JOR M	IU	<u>C 10313</u>	
		BORIN	G NO	PBN-82-0 5/1/82)2A
本	Elev. <u>885.29</u>	DATE			
(9)	•	CHIEF		Tom O.	
8	LOCATIO	N <u>Badger Army</u>	/ Ammuni	ition Plant; Propel	lent Burning Grounds
	Elev.883.0	All <u>depth</u> to be from indicated.	measure ground	ments of <u>well deta</u> surface unless ot	il assumed herwise
	* .	1 DEPTH SLOTTE	TO BOTT	OM OF WELL POINT O	R EET.
5		2 DEPTH (0F B0TT0 97	OM OF SEAL (if ins	talled)
T [-] -]		3 DEPTH 1	TO TOP (OF SEAL (if instal) FEET.	led)
	10	4 LENGTH	OF PVC	WELL SCREEN, ET.	
		5 TOTAL L	ENGTH (OF PIPE 108.50 F	EET
				R MATERIAL AROUND W	
		7 CONCRET	E CAP,	YES NO	Circle One)
		8 HEIGHT	OF WELL	. CASING ABOVE GROUFEET.	IND
4	6	9 PROTECT HEIGHT LOCKING		ING? YES NO YES NO	(Circle One) (Circle One)
	1	(10) TYPE OF	BACKFI	LL: 5:2 Cement:	Bentonite
XX .		11) THICKNE	SS OF G	RAVEL PACK 19	FEET.
		12 DEPTH T		COUPLING 8.75	
	•	\frown		BOREHOLE 116	FEET.
******	BORING#	\smile ,	TIME	DEPTH TO WATER	REMARKS
13	PBN-82-02A	5/11/82	-	111.11'	From top of casing
	•				
• •-					
		•	•		•

		JOB	NO.	C 10313	
_				PBN-82-02B	
本 工本	Elev. 885.10	DATE		/9/82	
(9)		CHIE	FLF		
(8)	LOCATION	<u>Badger A</u>	rmy Ammu	nition Plant; Prope	ellent Burning Grounds
	Elev. 882.9		m ground	ments of <u>well detai</u> surface unless oth	
		1 DEPTH SLOTT	TO BOTT	OM OF WELL POINT OF 129.5	R EET.
5		2 DEPTH	OF BOTT	OM OF SEAL (if inst FEET.	alled)
	(3 DEPTH		OF SEAL (if install FEET.	ed)
- -		4 LENGT	H OF PVC 2 FE	WELL SCREEN, ET.	
00 00	(5 TOTAL		OF PIPE 130 F IN. DIAMETER.	EET
(11)		6 TYPE POINT	OF FILTE	R MATERIAL AROUND W TED PIPE Pea Gr	ELL Pave1
		7) CONCR	ETE CAP,	YES NO	Circle One)
	<u> </u>		T OF WELL	L CASING ABOVE GROU	IND
4	<u> </u>	9 PROTE	CTIVE CAST	SING? YES NO GROUND 2.5	(Circle One)
		\bigcirc	NG CAP?	YES NO	(Circle One)
*	—(1)	\succ		ILL: 5:1 Cement: B	<u>entonite</u>
	_	(11) THICK	NESS OF	GRAVEL PACK	11.5 FEET.
	ı	(12) DEPTH	TO FIRST	T COUPLING 9.75	75 FEET. FEET.
		\smile .		F BOREHOLE12	FLET.
	BORING#	DATE	TIME	DEPTH TO WATER	REMARKS
(1) (1)	PBN-82-02B	5/11/82	, -	110.78'	From top of casing
		1			

	JOB NO C 10313
	BORING NO. PBN-82-02C
1 A Elev. 885.41	DATE3/8/82
9	CHIEF Larry F.
LOCATIO	ON Badger Army Ammunition Plant; Propelient Burning Grounds
Elev. 882.9	
	All <u>depth</u> measurements of <u>well detail</u> assumed to be from ground surface unless otherwise indicated.
	DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 138.7 FEET.
5	DEPTH OF BOTTOM OF SEAL (if *-stalled) 128.5 FEE.
	DEPTH TO TOP OF SEAL (if installed) FEET.
	4 LENGTH OF PVC WELL SCREEN, 2 FEET.
	5 TOTAL LENGTH OF PIPE 139.2 FEET @ 4 IN. DIAMETER.
(11) - 12 00 3	6 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED FIPE Pea Gravel.
	7) CONCRETE CAP, (YES) NO (Circle One)
2	8 HEIGHT OF WELL CASING ABOVE GROUND FEET.
4	9 PROTECTIVE CASING? YES NO (Circle One) HEIGHT ABOVE GROUND 2.5 LOCKING CAP? YES NO (Circle One)
	(10) TYPE OF BACKFILL: 7:1 Cement: Bentonite
	\times
	\times
	(12) DEPTH TO FIRST COUPLING 1.75 FEET. COUPLING INTERVAL 9.75 FEET.
	13) TOTAL DEPTH OF BOREHOLE 138.7 FEET.
BORING#	DATE TIME DEPTH TO WATER REMARKS
(13) PBN-82-02C	5/11/82 - 111.18' From top of casing

	JOB NO. C 10313
	BORING NO. PBN-82-03A
Flev. 860.07	_ DATE 3/15/82
	CHIEF Larry F.
B LOCATION Elev. 857.6	ON Badger Army Ammunition Plant: Propellent Burning Grounds
7	All depth measurements of well detail assumed to be from ground surface unless otherwise indicated.
	1 DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 94 FEET.
5	DEPTH OF BOTTOM OF SEAL (if installed) 78 FEET.
T [=]=	3 DEPTH TO TOP OF SEAL (if installed)
-1-1-10	4 LENGTH OF PVC WELL SCREEN, 10 FEET.
	5 TOTAL LENGTH OF PIPE 86.5 FEET P. IN. DIAMETER.
3	6 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel.
	7 CONCRETE CAP, YES NO (Circle One)
2	8 HEIGHT OF WELL CASING ABOVE GROUND 2.5 FEET.
4	9 PROTECTIVE CASING? YES NO (Circle One) HEIGHT ABOVE GROUND 2.5 LOCKING CAP? YES NO (Circle One)
1	10) TYPE OF BACKFILL: 4:1 Cement: Bentonite
	11) THICKNESS OF GRAVEL PACK 16 FEET.
	DEPTH TO FIRST COUPLING 5.95 FEET. COUPLING INTERVAL 9.75 FEET.
	(13) TOTAL DEPTH OF BOREHOLE 94 FEET.
BORING#	
13 PBN-82-03A	5/11/82 - 87.48' From top of casing
·	
~ · ·	
•	

JOB NO. C 10313
RORING NO PRN-82-03B
A THE Blev. 860.32 DATE 3/15/82
CHIEF Larry F.
LOCATION Badger Army Ammunition Plant; Propellent Burning Ground
All depth measurements of well detail assumed to be from ground surface unless otherwise indicated.
DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 106 FEET.
DEPTH OF BOTTOM OF SEAL (if installed) 85 FEET.
3 DEPTH TO TOP OF SEAL (if installed) 65 FEET.
LENGTH OF PVC WELL SCREEN,
5 TOTAL LENGTH OF PIPE 106.5 FEET
6 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel.
7) CONCRETE CAP, (YES) NO (Circle One)
8 HEIGHT OF WELL CASING ABOVE GROUND FEET.
9 PROTECTIVE CASING? <u>YES</u> <u>NO</u> (Circle One) HEIGHT ABOVE GROUND 2.5
LOCKING CAP? YES NO (Circle One)
(10) TYPE OF BACKFILL: 4:2 Cement: Bentonite
11) THICKNESS OF GRAVEL PACK 21 FEET.
DEPTH TO FIRST COUPLING 6.35 FEET. COUPLING INTERVAL 9.75 FEET.
(13) TOTAL DEPTH OF BOREHOLE 106 FEET.
BORING# DATE TIME DEPTH TO WATER REMARKS
PBN-82-03B 5/11/82 - 87.73' From top of casing

WELL DETAIL INFORMATION SHEET 108 NO. C 10313

·	JOB NO
	BORING NO. PBN-82-03C
1 Elev. 860.21	DATE 3/15/82
(9)	CHIEF Larry F.
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ON Badger Army Ammunition Plant; Propellent Burning Grounds
Elev.857.6	All depth measurements of well detail assumed to be from ground surface unless otherwise indicated.
	1 DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE . 115 FEET.
5	DEPTH OF BOTTOM OF SEAL (if installed) 101 FEET.
	3 DEPTH TO TOP OF SEAL (if installed) 75 FEET.
	LENGTH OF PVC WELL SCREEN, 2 FEET.
	5 TOTAL LENGTH OF PIPE 115.5 FEET 0 4 IN. DIAMETER.
	TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel.
	7) CONCRETE CAP, YES NO (Circle One)
1 2	8 HEIGHT OF WELL CASING ABOVE GROUND FEET.
4 6	9 PROTECTIVE CASING? YES NO (Circle One) HEIGHT ABOVE GROUND 2.5 LOCKING CAP? YES NO (Circle One)
	10) TYPE OF BACKFILL: 5:2 Cement: Bentonite
	11) THICKNESS OF GRAVEL PACK 14 FEET.
	\times
\bowtie	DEPTH TO FIRST COUPLING 5.75 FEET. COUPLING INTERVAL 9.75 FEET.
	(13) TOTAL DEPTH OF BOREHOLE 115 FEET.
PODINCA	
BORING# PBN-82-03C	
FBN-62-03C	5/11/82 - 87.62' From top of casing
•	

	JOB NO. C 10313
	BORING NO. PBN-82-04A
1 1 Elev. 874.88	DATE 3/12/82
(9) 	CHIEF Larry F.
LOCATIO	N Badger Army Ammunition Plant; Propellent Burning Grounds
Elev. 873.0	All depth measurements of well detail assumed
	to be from ground surface unless otherwise
	indicated.
	DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 106 FEET.
5	2 DEPTH OF BOTTOM OF SEAL (if installed) 90 FEET.
	3 DEPTH TO TOP OF SEAL (if installed) 65 FEET.
	4 LENGTH OF PVC WELL SCREEN, 10 FEET.
	5 TOTAL LENGTH OF PIPE 98.5 FEET
	TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel
	7) CONCRETE CAP, YES NO (Circle One)
- 	8 HEIGHT OF WELL CASING ABOVE GROUND 2.5 FEET.
4 6	9 PROTECTIVE CASING? YES NO (Circle One) HEIGHT ABOVE GROUND 2.5 LOCKING CAP? YES NO (Circle One)
	(10) TYPE OF BACKFILL: Cement: Bentonite 5:2
<u> </u>	$\boldsymbol{\times}$
\bowtie	11) THICKNESS OF GRAVEL PAUK 16 FEET.
※ .	(12) DEPTH TO FIRST COUPLING 8.25 FEET. COUPLING INTERVAL 9.75 FEET.
	13) TOTAL DEPTH OF BOREHOLE 106 FEET.
	13) TOTAL DELTH OF BOREHOLE
BORING#	DATE TIME DEPTH TO WATER REMARKS
PBN-82-04A	5/11/82 - 102.78 From top of casing
•	

	JOB NO C 10313
	BORING NO. PBN-82-04B
<u> </u>	DATE3/13/82
9	CHIEF LF
LOCATIO	N Badger Army Ammunition Plant; Propellent Burning Ground
Elev. 873.0	All <u>depth</u> measurements of <u>well detail</u> assumed to be from ground surface unless otherwise indicated.
	DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 118 FEET.
5	2 DEPTH OF BOTTOM OF SEAL (if installed) 104 FEET.
	3 DEPTH TO TOP OF SEAL (if installed)
	LENGTH OF PVC WELL SCREEN, FEET.
	5 TOTAL LENGTH OF PIPE 118.5 FEET Q IN. DIAMETER.
	6 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel .
	7 CONCRETE CAP, YES NO (Circle One)
	8 HEIGHT OF WELL CASING ABOVE GROUND 2.5 FEET.
4	9 PROTECTIVE CASING? YES NO (Circle One) HEIGHT ABJVE GROUND 2.5 LOCKING CAP? YES NO (Circle One)
¥ []	10 TYPE OF BACKFILL: Bentonite & Cement Grout 1:5
	11) THICKNESS OF GRAVEL PACK 14 FEET.
	DEPTH TO FIRST COUPLING 1.0 FEET. COUPLING INTERVAL 9.75 FEET.
	13) TOTAL DEPTH OF BOREHOLE 118 FEET.
BORING	DATE TIME DEPTH TO WATER REMARKS
13 PBN-82-04B	5/11/82 - 102.61' From top of casing
•	
•	

JOB NOC 10313 -
DODING NO DDN 92 OAC
DATE 3/12/82
(9) CHIEF Larry F.
LOCATION Badger Army Ammunition Plant; Propellent Burning Ground:
All depth measurements of well detail assumed to be from ground surface unless otherwise indicated.
1 DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 129.0 FEET.
DEPTH OF BOTTOM OF SEAL (if installed) FEET.
3 DEPTH TO TOP OF SEAL (if installed) 80 FEET.
LENGTH OF PVC WELL SCREEN,
5 TOTAL LENGTH OF PIPE 129.5 FEET
6 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel.
7) CONCRETE CAP, YES NO (Circle One)
8 HEIGHT OF WELL CASING ABOVE GROUND 2.5 FEET.
9 PROTECTIVE CASING? YES NO (Circle One) HEIGHT ABOVE GROUND 2.5 NO (Circle One) LOCKING CAP? TES NO (Circle One)
10) TYPE OF BACKFILL: 5:2 Cement: Bentonite
11) THICKNESS OF GRAVEL PACK19FEET.
(12) DEPTH TO FIRST COUPLING 0.25 FEET.
COUPLING INTERVAL 9.75 FEET.
(13) TOTAL DEPTH OF BOREHOLE 129.0 FEET.
BORING# DATE TIME DEPTH TO WATER REMARKS
PBN-82-04C 5/11/82 - 103.52' From top of casing
\cdot

WELL DET	ETAIL INFORMATION SHEET
	JOB NO C 10313
	BORING NO. PBN-82-05A
大工作 [] [] Elev. 877.84	DATE 3/13/82
(9) 	CHIEF LF
1 1 0 / 11 1 11 =====	N Badger Army Ammunition Plant; Propellent Burning Ground
Elev. 875.8	All depth measurements of well detail assumed to be from ground surface unless otherwise indicated.
	DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 110 FEET.
5	DEPTH OF BOTTOM OF SEAL (if installed) 100 FEET.
	3 DEPTH TO TOP OF SEAL (if installed) 80 FEET.
	4 LENGTH OF PVC WELL SCREEN, 10 FEET.
	5 TOTAL LENGTH OF PIPE 102.5 FEET @IN. DIAMETER.
	6 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel.
	7) CONCRETE CAP, YES NO (Circle One)
(2)	8 HEIGHT OF WELL CASING ABOVE GROUND 2.5 FEET.
4 6	9 PROTECTIVE CASING? YES NO (Circle One) HEIGHT ABOVE GROUND 2.5 LOCKING CAP? YES NO (Circle One)
	(10) TYPE OF BACKFILL: 5:1 Cement Bentonite Grout
	11) THICKNESS OF GRAVEL PACK 10 FEET.
	(12) DEPTH TO FIRST COUPLING 4 FEET.
	COUPLING INTERVAL 9.75 FEET.
	(13) TOTAL DEPTH OF BOREHOLE 110 FEET.
BORING#	DATE TIME DEPTH TO WATER REMARKS
13 PBN-82-05A	
ì	
- .	
•	

	WELL DETAIL INFORMATION SH	HEET	
	JOB NO	C 10313	
_		PBN-82-05B	
★ T T T Elev. B	378.66 DATE	3/11/82	
(9)	CHIEF L	arry F.	
	LOCATION Badger Army Ammu	<u>nition Plant; Prope</u>	<u>llent Burning</u> Ground
Elev	All depth measure to be from ground indicated.	ements of <u>well detai</u> I surface unless oth	<u>l</u> assumed erwise
		OM OF WELL POINT OR 121.75 FE	
5	2 DEPTH OF BOTT 102	OM OF SEAL (if inst	alled)
		OF SEAL (if install FEET.	ed)
10	4 LENGTH OF PVO 2.0 FE	WELL SCREEN, ET.	
- - - - - - - - - -	5 TOTAL LENGTH	OF PIPE 122.25 F IN. DIAMETER.	EET
		R MATERIAL AROUND W TED PIPE <u>Pea Grave</u>	
	7) CONCRETE CAP,	YES NO (Circle One)
2	8 HEIGHT OF WEL	L CASING ABOVE GROW	ND
4	9 PROTECTIVE CA HEIGHT ABOVE LOCKING CAP?	SING? YES NO GROUND 2.5	(Circle One)
	10) TYPE OF BACKE	ILL: 5:2 Cement: Be	entoni te
· · · · · · · · · · · · · · · · · · ·	(11) THICKNESS OF	GRAVEL PACK19.7	75 FEET.
	(12) DEPTH TO FIRS	2 75	
	COUPLING INTE	RVAL 9.75	FEET.
	(13) TOTAL DEPTH O	F BOREHOLE 121.75	FEET.
	BORING# DATE TIME	DEPTH TO WATER	REMARKS
	-82-05B 5/11/82 -	105.19'	From top of casing
•	•		

		JOB	NO.	C 10313			
<u>-</u>				PBN-82-	-05C		
* * * 1 1 1 1 1 1 1 1 1	Elev. 878.38			3/11/82			
9		CHIE	F	Larry F.			
8	LOCATION_	Badger A	rmy Ammun	ition Plant;	Propel	llent Burning	Ground
	Elev. 875.8	to be fro	om ground i.	ments of <u>well</u> surface unle	ss oth	erwise	
	(DEPTH SLOTT	TO BOTT	OM OF WELL PO	INT OR FE	ET.	
5				OM OF SEAL (i		alled)	
				OF SEAL (if in FEET.	nstall	ed)	
	10	4 LENGT	H OF PVC	WELL SCREEN, ET.			
				OF PIPE 131 IN. DIAMETER.	.5 F	EET	
		TYPE POINT	OF FILTE	R MATERIAL ARC TED PIPE <u>Pea</u>	OUND W Gravel	ELL 	
	√ 3 >	\prec		YES NO	_		
		B) HEIGH		_ CASING ABOVE	E GROUI	ND	
4	-(6)	- HEIGH	CTIVE CAS T ABOVE (NG CAP?	AKUUNU 2	5	(Circle One)	
	\sim			TLL: 7:4 Cem		- ·	
<u>* </u>	てリー 5	$\boldsymbol{\prec}$		GRAVEL PACK			-
	>	7					
		12) DEPTH COUPL	TO FIRST ING INTER	COUPLING RVAL 9.	1:5	FEET FEET	
	($\overline{}$		BOREHOLE	13		
		J .	_				•
	BORING#	DATE	TIME	DEPTH TO WA		REMARKS	
(13)	PBN-82-05C	5/11/82	-	105.64'		From top of c	asing
			}		j		
_	1			-			

ABB Environmental Services, Inc.

MONITORING WELL CONSTRUCTION FOR:

Comparison Com	Facility/Project Name	Crid Lucation		Weil Name	
Type of Well Water Table Observation Well Cliff Pleannesser District Well from Water Subscription Section Well And Section Well Associated By (Person & Name and Firm) Section Yes Section Well Section Well Installed By (Person & Name and Firm) Well A Popus of Enforcement Sea Application Objective Well Section Well Installed By (Person & Name and Firm) Well A Popus of Enforcement Sea Application Upgains Well Section Well Installed By (Person & Name and Firm) Well A Popus of Enforcement Sea Application Upgains Well Section Well Installed By (Person & Name and Firm) Well A Popus of Enforcement Sea Application Upgains Well Section Well Installed By (Person & Name and Firm) Well Section Yes Well Casting, top elevation 9/2 7.5 ft MSL Cast and local Well Installed By (Person & Name and Firm) Well Casting, top elevation 9/2 7.5 ft MSL Cast and local Well Installed By (Person & Name and Firm) Well Installed By (Person & Name and Firm) Well Installed By (Person & Name and Firm) Well Installed By (Person & Name and Firm) Well Installed By (Person & Name and Firm) Well Installed By (Person & Name and Firm) Well Installed By (Person & Name and Firm) Well Installed By (Person & Name and Firm) Well Installed By (Person & Name and Firm) Well Installed By (Person & Name and Firm) Well Installed By (Person & Name and Firm) Well Installed By (Person & Name and Firm) Well Installed By (Person & Name and Firm) Well Installed By (Person & Name and Firm) Well Installed By (Person & Name and Firm) Well Installed By (Person & Name and Firm) Well Installed By (Person & Well Installed By (Person & Name and Firm) Well Installed By (Person & Well Installed By (Person & Well Installed By (Person & Well Installed By (Person & Well Installed By (Person & Well Installed By (Person & Well Installed By (Person & Well Installed By (Person & Well Installed By (Person & Well Installed By (Person & Well Installed By (Person & Well Installed By (ft m v m s	2	
Type of Well Water Table Observation Well Cleft Pleasurates The Pleasurates Section I Section I Date Well installed By (Persons) want and crum Dutance Well in from Water Source Bounary T N. R. G Section I Well Installed By (Persons) want and crum Is Well A Point of Entorcement Sta. Application I N. R. G Section I Well Installed By (Persons) want and crum Is Well A Point of Entorcement Sta. Application I N. R. G Section I Well Installed By (Persons) want and crum Is Well A Point of Entorcement Sta. Application I N. R. G Section I Well Installed By (Persons) want and crum Is Well a Point of Entorcement Sta. Application I N. R. G Section I Well Installed By (Persons) want and crum Is Well a Point of Entorcement Sta. Application I N. R. G I I I Is Well a Point of Entorcement State I I I I Is Well a State and bear I I I I I Is Describe I I I I I I Is Describe I I I I I I Is Describe I I I I I I Is Describe I I I I I	Facility License, Permit or Monitoring Number	1			1000 to all to
Distance Wall is rrow Wall by the Source of Source			IL [] E. [] W.		PAK Mett Mitte
Distance Well installed 37 V V V V I I Section I I V V I I I Section I I V V I I I I I I I I I I I I I I I	Type of Weil Water Table Observation Weil [41]			Date Weil installed	
Weal A Pount of Encourage State Apparations The No. 2 Weal and State App		SE 1/4 or Swi 1/	4 of Section 11	40	110191
Swell A Fount of Entorcement 362 Appusation Classified Classifie	Distance Well Is from WasterSource Boundary	i .		Weil Installed By: (Person s	Variable and
A Protective pipes top elevation		1 AD N. X CO	BDE D W	G. P. Dorens	. and rum)
A Protective pipe, top elevation 2.2.2.2 ft. MSL	Is Weil A Point of Enforcement Std. Application?	Upgratien	© Sidestadiest	_	
A. Protective pipe. top elevation 9/2.5 ft. MSL 9/2.5 ft.		Downgracient	Not Known	LAYNE	
B. Well casing, top elevation 12 USC stassification of soil near screen: 12 USC stassification of soil near screen: 13 Surface seal bottom 14 Mst. or 15 Mst. 16 Mst. 17 Mst. 18 Mst. 18 Mst. 19 Ms	A. Protective pipe, top elevation _917.331	L MSL		ck?	GE V- CI Air
C. Land surface elevation 9125 ft MSL or 125	B. Weil casing, top elevation 917.51	t. MSL	2 Protective	cover pipe:	J 15 L
D. Surface seal, bottom	C. Lind surface elevation _9155	- MSL			24. 2 in. 24. 2 it.
Contract Contract	D. Surface seal bottom ft. MSL or	R. Service			Steel 2 0:
GP GM GC GCW SW SP SP St SP St St St St					Other 🛮
SM SC ML MH CL CH		1 1	d Addition	al protection?	2 70 0 16
13. Sieve analysis anached? 14	I DSM DSC DML DMH DCL DCH		If yes, de	scribe Sucremo 1	<u>5575</u>
13. Sieve analysis arached? Yes 15.0 14. Drilling method used: Rotary 5.0 14. Drilling method used: Rotary 5.0 15.0 16. Drilling fluid used: Waster Armular space seal Remonite Rem	□ Bedrock	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	3. Surface sea	Ŀ	Bentonite 🔲 🔞
H. Weil screen, top 2258 ft. MSL or 1377 ft. 8. Filter pack material: Manufacturer, product name and mesh Cold (AND Silica Sand Volume added 20 ft.) 1. Weil screen, bottom 7658 ft. MSL or 1477 ft. 9. Weil casing: Flush threaded PVC schedule 40 Phish threaded PVC schedule 30 P	13. Sieve analysis attached? Yes	# او ا ا	₹ \		Concrete ET 01
H. Weil screen, top 2758 ft. MSL or 1377 ft. S. Filter pack material: Manufacturer, product name and mesh Cold (AND Silica Sand Volume added 20 ft. Weil screen, bottom 7658 ft. MSL or 1477 ft. J. Filter pack, bottom 7615 ft. MSL or 1510 ft. Well casing: Flush threaded PVC schedule 40 Plush threaded PVC schedule 30 Plush threaded PVC sc			\ . 		Other 🛚
H. Weil screen, top 2758 ft. MSL or 1377 ft. S. Filter pack material: Manufacturer, product name and mesh Cold (AND Silica Sand Volume added 20 ft. Weil screen, bottom 7658 ft. MSL or 1477 ft. J. Filter pack, bottom 7615 ft. MSL or 1510 ft. Well casing: Flush threaded PVC schedule 40 Plush threaded PVC schedule 30 Plush threaded PVC sc		. \	4. Material bei	ween well casing and protective	s bibe:
H. Weil screen, top 2758 ft. MSL or 1377 ft. S. Filter pack material: Manufacturer, product name and mesh Cold (AND Silica Sand Volume added 20 ft. Weil screen, bottom 7658 ft. MSL or 1477 ft. J. Filter pack, bottom 7615 ft. MSL or 1510 ft. Well casing: Flush threaded PVC schedule 40 Plush threaded PVC schedule 30 Plush threaded PVC sc	Man work Other De				Bentonite 🔲 30
H. Weil screen, top 2758 ft. MSL or 1377 ft. S. Filter pack material: Manufacturer, product name and mesh Cold (AND Silica Sand Volume added 20 ft. Weil screen, bottom 7658 ft. MSL or 1477 ft. J. Filter pack, bottom 7615 ft. MSL or 1510 ft. Well casing: Flush threaded PVC schedule 40 Plush threaded PVC schedule 30 Plush threaded PVC sc	TRANS WATER	\		Amul	n sbace seal G
H. Weil screen, top 2758 ft. MSL or 1377 ft. 8. Filter pack material: Manufacturer, product name and mesh Cold (AND Silica Sand Volume added 20 ft. 9. Weil casing: Flush threaded PVC schedule 40 Plush threaded PVC schedule 30 Plush threaded PVC s	15. Drilling fluid used: Water [702 Air [7]				
H. Weil screen, top 2758 ft. MSL or 1377 ft. 8. Filter pack material: Manufacturer, product name and mesh Cold (AND Silica Sand Volume added 20 ft. 9. Weil casing: Flush threaded PVC schedule 40 Plush threaded PVC schedule 30 Plush threaded PVC s		9 8 8	•		
H. Weil screen, top 2758 ft. MSL or 1377 ft. 8. Filter pack material: Manufacturer, product name and mesh Cold (AND Silica Sand Volume added 20 ft. 9. Weil casing: Flush threaded PVC schedule 40 Plush threaded PVC schedule 30 Plush threaded PVC s					
H. Weil screen, top 2758 ft. MSL or 1377 ft. S. Filter pack material: Manufacturer, product name and mesh Cold (AND Silica Sand Volume added 20 ft. Weil screen, bottom 7658 ft. MSL or 1477 ft. J. Filter pack, bottom 7615 ft. MSL or 1510 ft. Well casing: Flush threaded PVC schedule 40 Plush threaded PVC schedule 30 Plush threaded PVC sc	16. Drilling additives used? TYES TN	. 💹 👺	Lbs	gal mud weight Bent	onute slurry 🔲 3 🗧
H. Weil screen, top 2758 ft. MSL or 1377 ft. S. Filter pack material: Manufacturer, product name and mesh Cold (AND Silica Sand Volume added 20 ft. Weil screen, bottom 7658 ft. MSL or 1477 ft. J. Filter pack, bottom 7615 ft. MSL or 1510 ft. Well casing: Flush threaded PVC schedule 40 Plush threaded PVC schedule 30 Plush threaded PVC sc	ļ		70 %	Bentonite Bentonite-c	ement grout 🔼 50
H. Weil screen, top 2758 ft. MSL or 1377 ft. S. Filter pack material: Manufacturer, product name and mesh Cold (AND Silica Sand Volume added 20 ft. Weil screen, bottom 7658 ft. MSL or 1477 ft. J. Filter pack, bottom 7615 ft. MSL or 1510 ft. Well casing: Flush threaded PVC schedule 40 Plush threaded PVC schedule 30 Plush threaded PVC sc			<u>_/50</u>	Ft volume added for any o	
H. Weil screen, top 2758 ft. MSL or 1377 ft. 8. Filter pack material: Manufacturer, product name and mesh Cold (AND Silica Sand Volume added 20 ft. 9. Weil casing: Flush threaded PVC schedule 40 Plush threaded PVC schedule 30 Plush threaded PVC s	17. Source of water (attach analysis):		now installe		Tremie 🔲 0 :
H. Weil screen, top 2758 ft. MSL or 1377 ft. S. Filter pack material: Manufacturer, product name and mesh Cold (AND Silica Sand Volume added 20 ft. Weil screen, bottom 7658 ft. MSL or 1477 ft. J. Filter pack, bottom 7615 ft. MSL or 1510 ft. Well casing: Flush threaded PVC schedule 40 Plush threaded PVC schedule 30 Plush threaded PVC sc	RECOLLETION Vime 2			Tren	
H. Weil screen, top 2758 ft. MSL or 1377 ft. 8. Filter pack material: Manufacturer, product name and mesh Cold (AND Silica Sand Volume added 20 ft. 9. Weil casing: Flush threaded PVC schedule 40 Plush threaded PVC schedule 30 Plush threaded PVC s		== -J			Cravity 1 03
H. Weil screen, top 2758 ft. MSL or 1377 ft. 8. Filter pack material: Manufacturer, product name and mesh Cold (AND Silica Sand Volume added 20 ft. 9. Weil casing: Flush threaded PVC schedule 40 Plush threaded PVC schedule 30 Plush threaded PVC s	790 6	**	6. Bentonite se	al: Benton	ite granules 🔲 🔞 🥫
H. Weil screen, top 2758 ft. MSL or 1377 ft. 8. Filter pack material: Manufacturer, product name and mesh Cold (AND Silica Sand Volume added 20 ft. 9. Weil casing: Flush threaded PVC schedule 40 Plush threaded PVC schedule 30 Plush threaded PVC s	E Benionite seal top ft MSL or	5.0 tv 🖁 🖁	□ 1/4 is	L 3/8 in_ 1/2 in Benso	mue peilers III-3 ?
H. Weil screen, top 2758 ft. MSL or 1377 ft. 8. Filter pack material: Manufacturer, product name and mesh Cold (AND Silica Sand Volume added 20 ft. 9. Weil casing: Flush threaded PVC schedule 40 Plush threaded PVC schedule 30 Plush threaded PVC s			الالاعلامية	with plants	Charles Tolk
H. Weil screen, top 2758 ft. MSL or 1377 ft. 8. Filter pack material: Manufacturer, product name and mesh Cold (AND Silica Sand Volume added 20 ft. 9. Weil casing: Flush threaded PVC schedule 40 Plush threaded PVC schedule 30 Plush threaded PVC s	F. Fine send, top NA It. MSL or	⁶ \ \@ @	7. Fine sand m	sterial: Manufactures produc	t name and mesh sine
H. Weil screen, top 2758 ft. MSL or 1377 ft. 8. Filter pack material: Manufacturer, product name and mesh Cold (AND Silica Sand Volume added 20 ft. 9. Weil casing: Flush threaded PVC schedule 40 Plush threaded PVC schedule 30 Plush threaded PVC s			Non	3/	
L Weil screen, bottom 7658 ft. MSL or 1477 7 ft. J. Filter pack, bottom 7645 ft. MSL or 1510 ft. Weil casing: Flush threaded PVC schedule 40 Flush threaded PVC schedule 30 Flush threaded PVC s	G. Filter packs, top		Volume adde	zd ft.3	•
L Weil screen, bottom 7658 ft. MSL or 1477 7 ft. J. Filter pack, bottom 7645 ft. MSL or 1510 ft. Weil casing: Flush threaded PVC schedule 40 Flush threaded PVC schedule 30 Flush threaded PVC s	2262		8. Filter pack a	naterial: Manufacturer, produc	at name and mesh size
Volume sidest 20 ft Volume sidest 20 ft 9. Well casing: Flush threaded PVC schedule 40 Flush threaded PVC schedule 30 Flush threaded PVC schedule 30 Flush threaded PVC schedule 30 Other 10. Screen material: PVC SCH PO Screen type: Factory cut Continuous slot Manufacturer Modofile M. O.D. well casing 04.20 in. Manufacturer Modofile Slot size: Sloted length: Of 6.	H. Well screen, top _223 B ft. MSL or 23		COLORA	NO SILICA SANO	
Flish threaded PVC senedule 30 Grant Step of the MSL or 1510 ft. Continuous slot	31600000				
Flush threaded PVC schedule 30 Grown The first threaded PVC schedule 30 Grown material: PVC SCH PO K. Borehole, bottom 741.5 ft. MSL or 1516 ft. Borehole, diameter 09 o in. Manufacturer Modofiex Slot size: 0.216 Sloted length: 06.6	L Weil screen, bottom _ T 6 3 8 ft MSL or 7 4 7		9. Weil casing	Flush dreaded PVC sc	hedule 40 🔲 23
M. O.D. well casing 04.20 in. Other 10. Screen material: PVC SCN 80 Continuous slot 11. Manufacturer MONOFLEX Slot size: 0.21.5 Slot of the continuous slot 12. Manufacturer MONOFLEX Slot size: 0.21.5 Slot of the continuous slot 12. Manufacturer MONOFLEX Slot size: 0.21.5 Slot of the continuous slot 12. Manufacturer MONOFLEX Slot size: 0.21.5 Slot of the continuous slot 12. Manufacturer MONOFLEX Slot size: 0.21.5 Slot of the continuous slot 12. Manufacturer MONOFLEX Slot size: 0.21.5 Slot of the continuous slot 12. Manufacturer MONOFLEX Slot size: 0.21.5 Slot of the continuous slot 12. Manufacturer MONOFLEX Slot size: 0.21.5 Slot of the continuous slot 12. Manufacturer MONOFLEX Slot size: 0.21.5 Slot of the continuous slot 12. Manufacturer MONOFLEX Slot size: 0.21.5 Slot of the continuous slot 12. Manufacturer MONOFLEX Slot size: 0.21.5 Slot of the continuous slot 12. Slot size: 0.21.5 Slot size			_		
K. Borehole, bottom — 764. S. ft. MSL or / 5/C ft. Borehole, diameter 09 in. Manufacturer Modofiek Solution of 10. Screen material: PVC SCN 80 Continuous slot 11 Manufacturer Modofiek Slot size: 0.010 Sloted length: 06.00	J. Filter pack, bottom _ 7612 ft. MSL or / 5	/.0 年/// [2]			
K. Borehole, bottom — 797.2 ft. MSL or 737.5 ft. L. Borehole, diameter 09 in. Manufacturer Modofie K Stot size: 0.01.5 N. O.D. well casing 04.20 in. Stot size: 0.01.5 Slotted length: 06.5			10. Screen mate	rial: PVC Scu	
L. Borehole, diameter 09 in. Manufacturer Monopele K Slot size: Slotted length: Continuous slot Manufacturer Monopele K Slot size: Slotted length: Ob. 6	K. Borehole, bottom _ 797.5 ft. MSL or 25	ie a			
M. O.D. well casing 04.00 in. Manufacturer Modofie Slot size: Slot size: Sloted length: Ofe :					
M. O.D. well casing 04.00 in. Manufacturer Monopele X Slot size: Slotted length: Ob. 6	L. Borehole, diameter 09 in.	1200		ÇOILL	
M. O.D. well casing 04.00 in. Slot size: Slotted length: O6.0		•	Mamifaction	MONOFLEX	Oma L
Slotted length: 06.5	M. O.D. well casing Q400 in.	•			 0. <u>0. 9 L</u> 2 in.
of 10 mill series 2.75	2 - 		\	h:	0. <u>9 t</u> 9 th.
	V. LD. well casing _3.75 in.		,		
The E			and symmetry filest	····· /Acma mict ha g);	
hereby certify that the information on this form is true and correct to the best of my knowledge.	herepy certify that the information on this	form is this and core	Ct to the beet of	leanule de c	Other LI
ingrange // // // // // // // // // // // // //			CT TO THE DEST OF THY	ALIOWISCOS.	

	Grid Location		Weii Name	
BANGER DAP		<u> </u>	LOM-91-02	
actury License, Permit or Monitoring Number		ft. 🗆 E. 🗆 W.	Wis. Unique Wed Numo	E DNK Well N
ype of Weil Water Table Observation Weil [2-1]	Section Location		Date Weil installed	
Piezometer 🗆 🗆	SE 1/4 01 SJ	1/4 of Section	\	<u> </u>
istance Weil is From WasterSource Boundary	T 10 N.R 6		Weil installed By: (Pers	on s Name and rum)
N/A ft.	Location of Well Asiativ	e to Waster Source	- G PROBRICE	∪£ ₹
Weil A Point of Enforcement Sig. Application?	Downgratient	☐ Sidegradient	LAYME	
Protective pipe, top elevation _ 262.64 ft		Not Known		2 Ya 🗆
6109.4		2 Protective	e cover pipe:	
	i [=		tiameter:	96
Land surface elevation _22.2.3 f	MSL	b. Length		ପୂର୍କୁ . ସଂଖ୍ୟା ଫ
Surface seal bottom ft. MSL or				Steel 122 Other 🖸
2 USCS classification of soil near screen: GP GM GCC GPGW G SW GSP			onal protection? describe 4 Zucrusc	Pors C
OSM OSC OMLOMHOC. OCH	\ \ <u>\</u>	3. Surface sa	eal:	Bensonite 🛘
3. Sieve analysis americai? ☐ Yes				Concrete Er
Drilling method used: Rozary 🔲 5		4. Material b	perween well casing and pro	rective bibe:
Hollow Stem Auger DAL WALL Other 12	1		A	Bentonite 🛘 Imular space seal 🗗
			^	Other 🖸
5. Drilling fluid used: Warr 1902 Air 1970	1 🖁	5. Amular s		ranular Benton
Drilling Mud □ 03 None □ 9		L	.bs/gal mud weight Ben	
5. Drilling additives used? 🔲 Yes 🕒 🖼			bs/gal mud weight	
			% Bentonite Benton Ft 3 volume added for	
Describe	🚆	How insta		Tremie
7. Source of water (attach analysis):	\ \	100 10G		Tremse pumped
PRODUCTION WELL AT Z	🖁			Gravity (2)
		6. Bentonite	seal: B	entonite granules 🔲
Bentonite seal, top _ 786 & ft. MSL or [2]	<u> </u>		in 3/8 in 3/2 in.	-
				Other 🛚
Fine sand, topft_ MSL or	"	7. Fine sand	material: Manufacturer, p	goduct name and mes
Filter pack, top _7%/ 3 ft. MSL or / 29	TO W			t ³
Well screen, top _ 773 9 ft MSL or /3	6 4 a	<u> </u>		
Weil screen. bottom _ 7639 ft. MSL or/46	4 6	Voiume a 9. Weil casi	ng: Phush threaded ?	to VC schedule 40 ☐
Filter pack, bottom _ 7623 ft MSL or / 4	86 a			VC schedule 30 ☑ Other □
Borehole, bottom _ 762.3 ft. MSL or / 4	`	10. Screen m		Factory out 12
Bolemon Domain - * * 2 - * * * * * * * * * * * * * * *		Screen ty	pe.	Continuous slot
Borehole, diameter 0.9.0 in.		~ · ·		Other 🛮
. O.D. well casing 0425 in.	•	Slot size:		0.00
		√ Slotted le		,

I hereov certify that the information on this form is true and correct to the best of my knowledge.

Signature 1000 CC

State of Wisconsin Department of Natural Resources			ONITORING WELL CONS rm 4400-113A	TRUCTION 5-89	
Facility/Project Name	Grid Location	M	Weil Name		
Bedeer Agen Amount on Plant	4,803,093.4	K B N D S.	LOM-89-01		
Facility License. Permit or Monitoring Number	377, 471.9		Wis. Unique Well Number	DNR Weil N	umoer
Type of Weil Water Table Observation Well 511	Section Location		Date Well Installed	2117189	
Piezometer 12	1/4 of 1/	4 of Section	m	क्ति′ विवि′ च र	
Distance Well Is From Waste/Source Boundary	T N, R	D E D W	Well Installed By: (Person		
Is Well A Point of Enforcement Sut. Application? Yes No	Location of Well Relative Upgradient Downgradient	to Waste/Source Sidegradient	Dave H. Beken	E. C. Jordan	<u>Lo-</u>
A. Protective pipe, top elevation _918.18		Not Known 1. Cap and lo		A Yes □	No
B. Well casing, top elevation _ 912.86	ft. MSL	2. Protective a Inside di	• •	6	.Qin.
C. Land surface elevation _915.9	MSL	b. Length:		_2.	. OfL
D. Surface seal, bottom ft_MSL or	ft.	c. Material	<u>. </u>	Steei ⊠ Other □	04
12. USCS classification of soil near screen: AGP GM GC GW SW ASP SSM SC ML MH GC GC Bedrock			escribe: 4 backing	Bentonite Concrete	3 0
13. Sieve analysis attached?	ر الا		Cont	_ Other 🖾	0.1
14. Drilling method used: Rotary	50 🔪 🧱	4. Material be	tween well casing and protes		
Hollow Stem Auger 4				Bentonite milar space seal	30
) 💹 🛭	L	Crait	Other 2	
15. Drilling fluid used: Water 02 Air 03		5. Armular sp	ace seal: Gran	nuler Bentonite	33
Drilling Mud 03 None 1		Lb	s/gal mud weight Benton		3 5
16. Drilling additives used?	.	Lb	s/gal mud weight B		3 1
_ ·		<u> </u>	Bentonite Bentonit	e-cement grout	50
Describe		How install	volume added for an	y of the above Tremie	۸,
17. Source of water (attach analysis):			**	remie pumped 🔼	01
PW #2			•	Gravity 🗆	08
		6. Bentonite s	eal: Ben	tonite granules 🔲	
E. Bentonite seal, top _ 791.9 ft. MSL or 12	50 11 01 99	□1/4 i	n. 🔼 3/8 in. 🗆 1/2 in. Be	mtonite pellets	33 32
Fine sand, top	F'- u	7. Fine sand m	naterial: Manufacturer, pro	Other U duct name and mest	h size
3. Filter pack, top 186 9 ft. MSL or 12	2.0 ft.	Volume add			
i. Well screen, top _ 222.4 ft. MSL or 13	8.5 m	Rodi	material: Manufacturer, pro	<u>end</u>	h size
. Well screen, bottom _ 151.4 ft. MSL or 151	2.5 m	Volume add 9. Well casing	: Flush threaded PVC	schedule 40 🔲	
. Filter pack, bottom _ 252 . Y ft. MSL or 15	8.5 tr	<u> </u>		schedule 80 Z	
C. Borehole, bottom _ 257.4 ft. MSL or L 5	E. S. M.	10. Screen mass Screen type	:	Factory cut	11
Borehole, diameter _ 9.5 in.				ontinuous slot Other	01
1. O.D. well casing _ 4.£_ in.		Manufacture Slot size: Slotted leng		0. <u>o</u> <u>2</u> 0.	Q in. . Oft.
I. LD. well casing _ 4.0_ in.		11. Backfill mat	terial (below filter pack):	None 8	
hereby certify that the information on this	form is true and corr	not to the bact of	knowledge	Other 🗆	
ignature / / // //	Fam		knowledge.		
Taly by	E.C. Joi	dan Co.			
		T - 4 A TI // -			

State of Wisconsin Department of Natural Resources			ONITORING WELL CONSTR rm 4400-113A	UCTION 8-89
Facility/Project Name	Grid Location	P1	Well Name	
Bedger Henry Anomalians Plant	4802.958.1	🔑 🗷 N. 🗆 S.	LON-89-024	
Facility License, Permit or Monitoring Number	219,468.6	K K E D W.	Wis. Unique Well Number	DNR Weil Numr
Type of Well Water Table Observation Well 211	Section Location		Date Well Installed	119189
Piezometer 12	1/4 of1	/4 of Section		149189
Distance Well Is From Waste/Source Boundary	TN, R	DEDW	Weil Installed By: (Person's	
NA ft.	Location of Weil Relative	to Waste/Source	Dave H. Belon/E.	C Jordan Co
Is Weil A Point of Enforcement Std. Application? Yes No	☐ Upgradient☐ Downgradient	☐ Sidegradient ☐ Not Known		
A. Protective pipe, top elevation _ 920.24 f	L MSL	1. Cap and lo		Ø Ye □ No
B. Well casing, top elevation _ 912.59 f		2. Protective a. Inside di	• •	_6.6 ir
C. Land surface elevation _915.5 f	MSL	b. Length:		_2. of
D. Surface seal, bottom ft_MSL or		c. Marcia	:	Steel Ø 04 Other □
12. USCS classification of soil near screen:		d. Addition	nal protection?	Yes 🗆 No
☐ GP ☐ GM ☐ GC ☐ GW ☐ SW 155P	/ / !!	If yes, d	escribe: 4 bulking Posts	
SM SC SML MH CL CH	/ /#	3. Surface sea	d:	Bentonite 30
13. Sieve analysis attached?	ا 📓 🔪 ه	X	Cont	Concrete 0 0 Other 2
14. Drilling method used: Rotary	\ <u>\</u>	4. Material be	tween well casing and protective	
Hollow Stem Auger 🔲 4	1 22			Bentonise 🛘 30
Other D	=== \ 		<i>(</i>)	ar space seal []
15. Drilling fluid used: Water 1202 Air 12	01	,	(orant	Other Discourse 33
Drilling Mud □ 03 None □		5. Armulær sp	sce seat: Cranu s/gai mud weight Bentonit	
			s/gal mud weight Ben	
16. Drilling additives used?	6	_5 %	Bentonite Bentonite-	cement grout 🖾 50
Describe			volume added for any	
17. Source of we er (attach analysis):		How install	_	Tremie 🔲 0; mie pumped 🔀 02
00 #2				mie pumped 24 02 Gravity 🖽 08
		6. Bentonite s	Rentor	nite granules [] 33
E. Bentonite seal, top _ 192. ft. MSL or L 2	6.0 ft. 🐰		in. \$\overline{\pi}_3/8 in. \$\overline{\pi}_1/2 in. Bent	• •
				Other 🗋
F. Fine sand, top ft. MSL or	¥ ft	7. Fine sand a	material: Manufacturer, produ	et name and mesh size
G. Filter pack, top _ 185.7 ft. MSL or 13	251	Volume add		
0.00 50 1.2	<u> </u>	8. Filter pack	material: Manufacturer, produ	
H. Well screen, top		Volume ad	det & 2.9 ft.	<u>L</u>
I. Well screen, bottom _159.5 ft. MSL or \$5	9.0 ft	9. Well casin	g: Flush threaded PVC s	schedule 40 🔲 23 schedule 80 🕦 24
J. Filter pack, bottom _ 1595t. MSL or 15	2.0 ft.	\		Other 🗆
K. Borehole, bottom _ 158.5 ft. MSL or / G	50"	<i>2</i> 2	terial: Schröule 50 PVC	Factory cut 2 11
K. Borehole, bottom _ 13 g .3 ft. MSL or / U	" <u> </u>	Screen typ		tinuous slot 🔲 01
L. Borehole, diameter 9.5 in.		a\		Other 🛚
			a Timo	
M. O.D. well casing _\(\frac{1}{2} \) \(\frac{1}{2} \) in.		Slot size: Slotted len	eth·	0 ເກ. ກັເ
N. LD. well casing 4.0. in.		1	gur. yerial (below filter pack):	None 📭
			is care	Other
I hereby certify that the information on this	form is true and co	rrect to the best of m	y knowledge.	

State of Wisconsin Department of Natural Resources		M Fo	ONITORING WELL CONST	RUCTION 8-89	
Facility/Project Name	Grid Location		Well Name		
Scages Hern Hommunh: 200 Part	4 802 960	S X B N D S.	LOW-89-02B	•	
Facility License, Permit or Monitoring Number	377, 477.		Wis. Unique Well Number	DNR W	ell Num
Type of Weil Water Table Observation Well 11	Section Location		Date Well Installed		==_
Piezometer E 12	1/4 of	1/4 of Section	Q	द्गे <i>। 1 है।</i> इ	£ 9
Distance Well Is From Waste/Source Boundary		_ O E O W	Well Installed By: (Person's	Name and	um)
NA ft.	Location of Well Relati	Ve to Waste/Source	Dave H. Belon / E		
Is Well A Point of Enforcement 3rd. Application?	☐ Upgradiens	☐ Sidegradient			
☐ Yes	☐ Downgradient				
A. Protective pipe, top elevation _ 121.26 f	L MSL	1. Cap and le		₹ Ye	S D N
B. Well casing, top elevation _ 121.13 f	L MSL	2. Protective			
•	1,5	a. Inside d			_ 6 .0i
C. Land surface elevation _91f.9 f	MSL	b. Length:			-1.2
D. Surface seal, bottom ft. MSL or	ft. (333)	C Malena	! ;	Steel	_
12. USCS classification of soil near screen:	1	A Adding	nal protection?	Other	
ELGP DIGM DIGC DIGW DISW BISP	/ / 1		escribe: 4 bucking Page	TÔ 16	: □ No
	/ /1	18 / /	 	Bentonite	_ 3
☐ Bedrock	\	3. Surface sea	¥:	Concrete	_
3. Sieve analysis attached? 🔲 Yes 💢 N	b \		Cont	Other	_
4. Drilling method used: Rotary 🔲 5	0 \	4. Material be	tween well casing and protecti	ve pine:	₹ -
Hollow Stem Auger 4	1			Bentonite	□ 3
Duc Wall Other 12			Annul	ar space seal	
· · · · · · · · · · · · · · · · · · ·			rait	Other	
Drilling fluid used:Water 🔲 02 Air 💆 0	1 🔛	5. Annulær sp	ce seal: Granui	lar Bentonite	
Drilling Mud 🔲 03 None 🚨 9	9	MAT .	s/gal mud weight Bentonin		_
5. Drilling additives used? 🔲 Yes 🔲 N			s/gal mud weight Ben		
DIA LIN	' 📓	%	Bentonite Bentonite-	cement grout	Z 5
Describe	1 🔛	£_700 a	volume added for any	of the above	
Source of water (attach analysis):	_	How install	ed:	Tremie	□ 0
DID #2			Trea	nie pumped	A 0:
	 		•	Gravity	□ 08
.		6. Bentonite s	eal: Bentor	nite granules	□ 33
Bentonite seal, top 241.4 ft. MSL or 123	2.5 m	□1/4 i	n. 🗷 1/2 in. Bent		
	f.	M /	•	Other	-
ine sand, top	- ·- u	7. Fine sand n	naterial: Mamufacturer, produ	ct name and	mesh siz
Filter pack, top _ 136 4 ft. MSL or [§ 2	1.5 m	Volume add	ed NA ft ³		-
0.000		8. Filter pack	naterial: Manufacturer, produ	ct name and	mesh siz
Well screen, top 225.9 ft. MSL or 193	2.0 ft	Red F	it Sides Filh Som	Q.	
		Volume add			-
ll screen, bottom _ 1 20 9 ft. MSL or 1 98		9. Well casing	: Flush threaded PVC so	chedule 40	23
0.25 0.55			Flush threaded PVC so	chedule 80	24
lier pack, bottom $_222.9$ ft. MSL or $_196$	D IL			Other	o`
2166		10. Screen mate	rial: Schedule so puc		
forehole, bottom 216.9 ft. MSL or 200).O ft	Screen type		Factory cut	A 11
_		3		inuous slot	
	\C244	<u> </u>		Other	
orehole, diameter _ 9 in.		`	limes		
		\ Manufacture			
		Slot size:			6 T 5 iu
O.D. well casing _ 4 5 _ in.		Slot size: Slotted leng			₹.5¢
O.D. well casing _ 4 5 _ in.		Slot size: Slotted leng 11. Backfill mas	erial (below filter pack):		ر ن بر
O.D. well casing _45_ in.		Slot size: Slotted leng 11. Backfill mas	erial (below filter pack):	-	ت. ت

•					
State of Wisconsin Department of Natural Resources			ONITORING WELL CONSTR rm 4400-113A	UCTION 8-8	
	Grid Location		Well Name		
Bedger Arm American Plant		M M N □ S.	LON-89-03A	,	
Facility License, Permit or Monitoring Number	4,602,959.3	77	Wis. Unique Well Number		Num-
Pacific License, Femal of Montening Manioes	217,521.8	& DE W.		27.110 11 02	
Type of Well Water Table Observation Well 5-11	Section Location		Date Well Installed		
· · · · · · · · · · · · · · · · · · ·			22	115518	<u>.9</u>
Piezometer 12 Distance Well Is From Waste/Source Boundary	1/4 of 1/4	ot Section	weil installed By: (Person's	Name and Fi	
A . A	TN, R1	JEDW	Dave H. Belan / E	1	····/_
Is Well A Point of Enforcement Sid. Application?	Location of Weil Relative	o Waste/Source	Tak H. Delan / E	_C, 00:02	<u>4 (C</u>
		☐ Sidegradient	ļ.		
☐ Yes No	☐ Downgradient	Not Known	1-2	A Yes	
A. Protective pipe, top elevation _ 132.29 f	L MSL	1. Cap and le		₩ 10	<u>п</u> .
B. Well casing, top elevation _922.14 f	L MSL	2. Protective	• •		c n:
•	1 [7]	a. Inside d		_	.€. <u>©</u> ;
C. Land surface elevation711.2 f	MSL	b. Length:			.7.01
D. Surface seal, bottom ft MSL or	ft. States	c. Materia	E.		2 0~
				Other	
12. USCS classification of soil near screen:	1 Links	IV V	nal protection?	. Ye	П 76
GP GM GC GW GSW SXSP GSM GSC GML GMH GCL GCH		Tyes.	describe: 9 bucking Host	-	^^
D Bedrock	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	3. Surface se	શ્રો: ૧	Bentonite	_
13. Sieve analysis attached?		₩ \	Go F	Concrete	
	\ M 10	\ . 	<u> </u>	Other	M _
14. Drilling method used: Rotary 🖸		4. M&CEDAL D	etween well casing and protecti	• •	- 10
Hollow Stem Auger	\ 104 M			Bentonite	
Duc Wall Other 1			Armin	ar space seal	=
15. Drilling fluid used: Water [1 02 Air [2]		<u> </u>	CVDut	Other	
15. Drilling fluid used: Weser 02 Air 10. Drilling Mud 03 None 0	1 WAS DO	5. Annular s	,	lar Bentonia	33
Dimmit went (10) Work 12			bs/gal mud weight Bemonis		
16. Drilling additives used? Yes	.		bs/gal mud weight Ben		
A.			6 Bentonite Bentonite		E 50
Describe		How insta	volume added for any		-
17. Source of water (attach analysis):		a i now mean		Tremie	= '
Pa) #2	((((((((((((((((((((1	I.E.	• •	E 02
- FW = &		8		•	0.8
		6. Bentonite		nite granules	
E. Bentonite seal, top _ 792.7 ft. MSL or 12	હે.રૂ હ્યું <u>જ્</u> ર	□1/4	in. \$\frac{1}{2}\frac{3}{8} \text{ in. } \$\pi 1/2 \text{ in. } \text{Bent}\$	conice pellets	■ 31
ه ۸۸.	A \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	/		Other	
F. Fine sand, topft. MSL or	<u> </u>	7. Fine sand		act name and	mesh siz
_		Y /	<u> </u>		_
G. Filter pack, top _ 186. If MSL or 13	5 5 m ✓ √th €	4 /			
44 2	a. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		material: Manufacturer, produ		mesh si
H. Well screen, top 1912 ft. MSL or 13	Z.2 m	1 / Had E		<u></u>	-
0.4.4.7.4.4.4.4.		Volume a			
I. Well screen, bottom _ 161.2 ft. MSL or 15	1.0 吨	9. Well casis	-		_
0.10		il .	Flush threaded PVC:		
J. Filter pack, bottom _2@1.2 ft. MSL or 15	E.D. IL			Other	o
254 7		10. Screen ma	verial: <u>Schoolike</u> so ex		
K. Borehole, bottom _ 159.2 ft. MSL or 16	Q.Q R.	Screen tyl		Factory cut	_
_			Cor	ntinuous slot	
L. Borehole, diameter _ 9.5 in.		\		Other	- -
			rer Tinco		
M. O.D. well casing $y = y = y$ in.		Slot size:			FOTOR
		Slotted let	¥		50.0 tr
N. LD. well casing _ 4.Q _ in.		`11. Backfill m	ererial (below filter pack):	None	
			Notice care	Other	
I hereby cently that the information on this		ect to the best of n	ny knowledge.		
Signature 1000 -	From E. C.	5-0 6-			
V V-47 Bd	l ⊑. ∵	VOTAL LO.			

State of Wisconsin Department of Natural Resources			ITORING WELL CONSTRUCTION 4400-113A 8-89	
	Grid Location	N.	/eil Name	
Below Armitions Plant		·	1011 60 02 6	
Facility License, Permut or Monutoring Number	4,802,959.1	1	Vis. Unique Well Number DNR Well Nu	mper
and the second s	277,510.9 f	= DE E. □ W.	Vis. Unique Well Number DNR Well Nu	
Type of Well Water Table Observation Well 11	Section Location	2	Date Weil Installed	
Piezometer 🖸 12	1/4 of 1/4 of Se	ection	유로/골을/ <i>통</i> 구	
Distance Well Is From Waste/Source Boundary		FV	Vell Installed By: (Person's Name and Firm)	
NA ft.	T N, R DE [□ W	Deve A. Beku / E. C. Jordan	Co.
Is Well A Point of Enforcement Std. Application?	ocation of Well Relative to Was	sidegradient		
☐ Yes ☑ No	Downgradient			
A. Protective pipe, top elevation _122.19 ft.	MSL	1. Cap and lock		No
B. Well casing, top elevation _921.99 ft.	MSL -	2. Protective co	•	
· · · · · · · · · · · · · · · · · · ·		a. Inside dian		Q in.
C. Land surface elevation919.5 f	MSL	b. Length: c. Material:	_2. Steel 5 1	
D. Surface seal, bottom ft. MSL or	h	C. March	Other	0-
12. USCS classification of soil near screen:		d. Additional	protection? Yes	No.
GP GM GC GW SW SP			cribe: 4 bucking Packs	• •
SM SC DML DMH DCL DCH			,	30
☐ Bedrock	\	3. Surface seal:	Congrete	0 1
13. Sieve analysis attached?	· \		Other 13	
14. Drilling method used: Rotary 5	o \	4. Material bery	veen well casing and protective pipe:	
Hollow Stem Auger 4			Bentonite 🛘	30
Dur Wall Other 12			Armular space seal □	
			Cross Other II	
15. Drilling fluid used: Water 🔲 02 Air 🔯 0		5. Annular space	e seal: Granular Bentonite	3 3
Drilling Mud 🗆 03 None 🚨 9	9 📓 📓	Lbs/;	gal mud weight Bentonite-sand shurry	35
16. Drilling additives used?			gal mud weight Bentonite slurry	3 1
16. Drilling additives used? Yes No	' 📓 📓		entonite Bentonite-cement grout 🗖	50
Describe			volume added for any of the above	_
17. Source of water (attach analysis):	_	How installed	_	0 1
PW # 2			Tremie pumped	02
- γω - α			Gravity 🗖	08
	_ 🐰 🔛	6. Bentonite sea		3 3
E Bentonite seal, top _ 248. ft. MSL or 121	. D ft. 📓 📓	□1/4 in.	. ₹13/8 in. □ 1/2 in. Bentonite pellets 🖸	32
		/	Other 🗆	
F. Fine sand, top _ 10 4 ft. MSL or _10 4		7. Fine sand ma	sterial: Manufacturer, product name and mesi	h size
G. Filter pack, top _ 743 5 ft. MSL or 171		Volume adde	3	
O. Mac. posset of			aterial: Manufacturer, product name and mes	sh size
, H. Well screen, top _ 2 2 6. 5 ft. MSL or 19;	3.0 f~ 】	Red F	list Silver Filter Sand	
•		Volume adde		
I. Well screen, bottom _ 721 \ ft. MSL or 198		Well casing:	Flush threaded PVC schedule 40	23
			Flush threaded PVC schedule 80	24
J. Filter pack, bottom _ 721 .5 ft. MSL or 191	F.O ft.		Other 🖸	
A . A . C		10. Screen mater	ial: Schoolule 80 PUC	
K. Borehole, bottom _ 119.5 ft. MSL or 209	2. 2 ft	Screen type:	Factory cut	11
_			Continuous slot	01
L. Borehole, diameter 9.5 in.			Other	
	\	Manufacturer		a:-
M. O.D. well casing _4.5_ in.	`	Slot size: Slotted length		Lein. .en.
		_	<u> </u>	. = 11.
N. I.D. well casing 40 in.			rial (below filter pack): None D	
	form in this said sames A			
hereby certify that the information on this	form is true and correct to	o the oest of my	кломесса.	
Signature () / //	I	Λ /		

the same services of the state of the contract

ONITORING	WELL	CONSTRUCT	C

Facility/Project Name Grid	Location		Weil Name	
BADLER AAP		ft [N. C.S.	SPN-41-02D	••
Faculty License, Permit or Monitoring Number			Wis. Unique: Weil Number	DNR Well Nur
	···			
Type of Weil Water Table Observation Weil L. J. Second			Date Weil installed	109191
Piezometer 12/12	1/4 of 1/4 of	Section	mm	109151
Distance Well is From WasterSource Boundary T_	N. R D E	E II W	Weil installed By: (Person's i	
NA ft. Loca	DOR OF Well Kelling to Wood	VasterSource	U. ROBEIGUEZ	·
Is Weil A Point of Entorcement Sta. Application?		Sidegranient Not Known	LAYNE	
		1. Cap and loc		ZYS D N
in the second of		2 Protective o		
B. Well casing, top elevation 924.63 ft MS		a. Irside dia	• •	96.9
C. Land surface elevation \$21.6 t MS	i	b. Length:		06.0
D. Surface seal, bodom ft. MSL or		c Marcial:		Steel 😭 04
12 USCS classification of soil near screen:	A (1)	d Addition	il protectios?	ZYa D N
		If yes, de	cribe 4 BUCKING	Pasts :
SM SC DML MH DCL DCH		3. Surface seal	<u>.</u>	Bentonite 🔲 3 A
13. Sieve analysis anached?	\ #	\		Concrete G
	\	Variable a	ween well casing and protectiv	Other 🚨 💆
14. Drilling method used: Rotary 50 Hollow Stem Auger 541	\	· 4. Maleral Dec	meet men estruk min biomeen	Bensonite 🔲 ?
MAL WALL OF D	· \		Ammia	r space seal 📝
			•	Other 🗔 🖰
15. Drilling fluid used: Warr 202 Air 101		5. Armular spe	ce seal: Granul	r Bentonit
Drilling Mod 🗆 03 None 🔲 99		•	gal mud weight Bennonite	-sand shar
16. Drilling additives used? Yes ENo		Ube	/gal mud weight Bent	onize shurry 5
16. Drilling additives used? Yes El No			Bentonite Bentonite-c	
Describs			Ft ³ volume added for any o	
17. Source of water (attach analysis):		How installe	_	Tremis 🔲 (
PRODUCTION PUMP # 2			(Iei	Gravisy 🖫 0°
PERSOCATION TOTAL	= 器 📓			• - •
19664 WEI - 1366		6. Bentonite se	al: Bernon L 🖂/8 in. 🗘 1/2 in. Berno	ite granules 🔲 🗧
E Bentonite seal, top _625.6 ft MSL or / 36.0		Real	TONICE POWDE	
F. Fine send, top NA ft. MSL or NA			amial: Manufacturer, produc	
G. Filter pack, top		Voitame adde	d	٠
/ 1/9 Gra Net / 37 G			neterial: Manufacturer, produ	Exame and mesh s
H. Well screen, top _648.8 ft. MSL or 172.6		/	so Silien Sants	
L Well screen, bottom _638 & ft MSL or / \$2.8		Voissne add 9. Well casing		thedule 40 📋 23
L Met Street comm _655 'P transport _ 65.6		y. wen want	Plant direated PVC se	
J. Filter peck. bottom 438 & ft. MSL or / \$2.5	2			Other 🖾
•		10. Screen mate	rist PVC SCH 80	
K. Borehole, bottom _6316 ft. MSL or 170.0	a la	Screen type:		Factory cox 🔁 1
_		_	Com	inuous slot 🔲 0
L. Borehole, diameter 070 in.	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Coter 🛚 🛴
			MONOFIEX	
M. O.D. well casing 04.00 in.	•	Slot size: Sloted leng	th:	18∙2 ↓ g518ṛ
V 10 mm min 2 2 5 1		•	erial (below filter pack):	None I
N. LD. well casing 2.25 in.		Tr. Deserve itim	and forms must have?	Other
I hereby certify that the information on this form	n is true and correct	to the best of my	knowledge.	
Signedian / OCA				
That & photo	ABB-E.	>		

Facility/Project Name	Cod Locacon		(Weil Name	
RADY SZ AAP		fL □ N. □ S.	SPN-91-030	
Facility License, Permit or Monitoring Number		fr [] E. [] W.	Wis. Unique Weil Number DNK Wei	Numbe
Type of Weil Water Taoie Observation Weil 11 Piezometer 212	Section Location 1/4 of 1	/4 of Section	Date West installed / 0 / 0 8 / 9 m m d d d v	'
Distance Well is From WasterSource Boundary	T N. R		Weil installed By: (Person's Name and ru	m)
NA ft.	Location of Weil Asiative	10 WasterSource	G. ROBRIGUEZ	
Is Weil A Point of Entorcement Std. Application?	☐ Upgratiers	☐ Sidegradient	LAYNE	
A. Protective pipe, top elevation _811.48	E Downgration:	Not Known		<u> </u>
B. Well casing, top elevation _ \$19.36		2 Protective	• •	6.0 in.
C. Land surface elevation _\$16.7	MSL	b. Length:	<u>م</u>	€ .0 it
D. Surface seal bottom ft MSL or QC	200	c. Materia	Coher Coher	0-
12. USCS classification of soil near screen:		d Additio	nal protection?	
		If yes, of	learnibe Bucking POSTS	30
Bedrock	0 t 999	3.50.22	Concrete	
13. Sieve analysis attached?		A Married 15	Other etween well casing and protective pipe:	□
14. Drilling method used: Rotary U: Hollow Stem Auger U:		** ,7(a)=:21 O	Etween weit casing and protective pipe: Bemonite	□ 30
BUAL WALL Ober &			Annular space seal	
			Other	
15. Drilling fluid used: Water @ 02 Air	01	5. Azemilæ sp	pace seal: Granular Bentonite	
Drilling Mud 🛘 03 None 🗖			ne/gal mud weight Bentonite-sand shurry	
16. Drilling additives used? Yes 27			se/gal mud weight Bentonite shurry	
			Bentonite Bentonite-cement grout Ft ³ volume added for any of the above	5 50
Describe		How ristal		□ 0:
17. Source of water (attach malysis):			Tremie pumped	
PRODUCTION WELL # 2	🚆			2 03
		6. Bentonite	seal: Bentonite granules	3 3
E Bensonite seal top _663.7 ft MSL or / S	3.0 0	□ 1/4	in. 3/8 in. 1/2 in. Bentonite pellets	□ 3°
		M /	JONITE SOMPER OFFE	
F. Fine send, top 6. MSL or	3.0 1	7. Fine sand	material: Manufacturer, product name and s	nesh size
G. Filter pack, top 413 ft. MSL or 22	3.0 6	Volume ad		•
H. Weil screen, top _424 Z ft. MSL or / 2	15.		meerial: Manufacturer, product name and	-
H. Weil screen, top _QZG & ft. MSL or ZZ	2.3	Voiume so		-
L Well screen, bottom _4/4.2 ft. MSL or Z o	05 1	9. Well casir		2 3
	1:53	3	Flush threaded PVC schedule 80	24
J. Filter pack, bottom _415.7t. MSL or 20	1.0 t		Other serial: SELLEDUCE 80 PVC	- -
K. Borehole, bostom 4/4. Zft. MSL or 2 g	20 1	Screen typ		11
R. Borenoie, bottom 2131.2		32. (1.17)	Continuous slot	
L. Borehole, diameter 01.0 in.	7200	a	Other	
			MONOFIEZ	
M. O.D. well casing 04.00 in.	•	Slot size: Slotted let		70 · 6 tr 67 • iu
N. LD. well casing _3.75 in.			aterial (below filter pack): None Other	
I hereby certify that the information on this Signature	form is true and co		ny knowledge.	

ABB	Enviro	nmental	Services,	Inc.
-----	--------	---------	-----------	------

MONITORING WELL CONSTRUCT

FORM

Section Sect	Facility/Project Name	God Location		Weil Name	
Type of Well Water Tasks Observation Well [1] Seminal Location for the Commence of the Commenc			6 5 4 5 5	1 =	\
Type of Well Water Table Observation Well [1] Sentent Location: Personner	DAGGER AFT			With Disperse Mari America	
Dutines Wall is room varies/source Boundary A Productive Wall is room varies/source Boundary A Productive Varies/source Boundary A Productive Varies of Enforcement Sub-Application of Wall varieties of Wagney/Source Ye	Pacific Figure 1 street of House 19.		& DE.CW.	WENT OF A STATE OF A S	2 DIAK MERTARI :
Dutines Wall is room varies/source Boundary A Productive Wall is room varies/source Boundary A Productive Varies/source Boundary A Productive Varies of Enforcement Sub-Application of Wall varieties of Wagney/Source Ye		Second			 .
Dutines Wall in From Watersource Boundary A Possession Wall continues and an approximate and ramp. If Wall and the property of the continues and an army was an		f		Date Men nataries	10101191
Swell A Pout of Enforcement Sta. Apparation: Document of Well Activative to Weight-Sensitive to Weight		1/4 of 1.	4 of Section	.]	लाल बंब प्र
Secretary Secr	Distance Well is From WasterSource Bouncary	T N 2	~ - ~		on s Name and rum)
Section Sect	NA ft_			- CABBY R	ORICUEZ
Yes No. Recovery pape, top elevation 92 - 23 t. MSL	Is Well A Point of Enforcement Sta. Application?		☐ Sidetadies		
A Protective pape, top clevation \$92.9.2 ft. MSL 1.0 per closes? 2.7 per closes? 2.7 per closes? 2.7 per closes? 2.7 per closes? 2.7 per closes? 2.7 per closes? 2.7 per closes.		_ , _		LAYNE	
B. Well casing, top elevation G. Land surface G. Land surface G. Land	-			lock?	POYE D
B. Well example up elevation 90 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					E 10 D 1.
C. Land surface elevation D. Surface seal, bottom R. MSL or A. Additional protection? Q. Macratil: G. Additional protection: G. Additional protection: G. Additional protection: G. Additional protection: G. Additional protection: G. Additional protection: G. Additional protection: G. Additional protection: G. Additional protection: G. Additional protection: G. Additional protection: G. Additional protection: G. Additional protection: G. Additional protectio	B. Well casing, top elevation	L MSL	Mer /	• •	66 C:
D. Surface seal. bottom	C. Land surface elevation _ 900 %	MSL	b. Longs	th:	
12 USCS classification of soil near screen: Yes No Set S	·		c Mare	ria <u>l:</u>	Steel D-V-
Lyen, describe Lyen descri					
S. Sieve analysis anached Yes No No Cancer		1 26.5	Machines of vocal	ional protection?	2 G Ke G N
Service seal: Service seal: Concrete Other	CO COM COC COM COM COM	/ / /	I la	describe 4 /SURLIN	ic fosts
Service seal: Yes No 14. Delling method used: Rotary 150 Hollow Stem Auger 14 Deal Mastrai between well carring and protective pipe: Amuliar space seal: Caractive Beautonia: 30 Amuliar space seal: Caractive Beautonia: 30 Amuliar space seal: Caractive Beautonia: 31 Cher 32 Cher 33 Cher 34 Cher 34 Cher 34 Cher 35 Cher 36 Cher 36 Cher 36 Cher 36 Cher 36 Cher 36 Cher 36 Cher 36 Cher 36 Cher 36 Cher 37 Cher 37 Cher 37 Cher 38 C	D SM D SC DML DMH D CL D CH	/ 二二/	1 \ \		Bentonite 🔲 30
16. Drilling additives used?	☐ Bedrock	\	23. 7 . 3. 2/EL:300	seai:	
16. Drilling additives used?	13. Sieve analysis attached? Yes	6 \ B	₩ \		
16. Drilling additives used?	14 Pulling marked wards Posters 17	so \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	A Marconi	harmon mall crains and serv	
16. Drilling additives used?		. \		secured west repairs and but	
16. Drilling additives used?		··········· \			
16. Drilling additives used?	DUAL WALL SEV. ALR WEE			A	unia sbace sea
16. Drilling additives used?					Other 🛛 📜
16. Drilling additives used?					
16. Drilling additives used?	Drilling Mud 🖸 03 None 🚨	" 麗		Lbs/gal mud weight Ben	tonite-sand skur
Describe Describe 17. Source of water (statch analysis): Particle 1. 1. 1. 1. 1. 1. 1. 1					
Describe 17. Source of water (attach analysis): Carrier Carr	16. Drilling additives used? Yes Yes				
Describe 17. Source of water (attach analysis): Tremise Trem					
17. Source of water (statch analysis): Continuous seal Contin	Describe	i 2 l			
Carrier 03	17. Source of water (attach analysis):				
E Bensonite seal, top	l · · · · · · · · · · · · · · · · · · ·				
Well screen, top	TRODUCTION WILL # 2				CESARA [7 03
Well screen, top		※	6. Benionii	ie seal: B	entonite granules 🔲 😗
Well screen, top	E Remarries seed top 656 & it MSL or 4	10 th	/ Ci	4 in. D3/8 in. D1/2 in.	Bentonite pellets 🔲 🕆
Well screen, top					
Well screen, top	E time and ton N/A ft. MSL or A		wa <i>1</i>		
Well screen, top	1.1 ms			A	
H. Well screen, top 4.4.9 ft. MSL or 2.9.0 ft. Well screen, bottom 5.94.9 ft. MSL or 2.0.0 ft. Filter pack. bottom 5.94.9 ft. MSL or 2.0.0 ft. Filter pack. bottom 5.88.8 ft. MSL or 2.1.2 g. ft. Screen type: Factory cat 2.1.1 ft. Borehole, diameter 6.3.9 in. Manufacturer Manufacturer Following: Manufacturer Manufacturer Manufacturer Following: Manufacturer Manufacturer Manufacturer Following: Manufacturer Manu	124 & 8451 ~ 16		3 /		3
H. Well screen, top 6948 t. MSL or 2060 ft. 1. Well screen, bottom 5948 t. MSL or 2060 ft. 9. Well casing: Plants threaded PVC schedule 40 23 Plants threaded PVC schedule 30 22 Plants threaded PVC schedule 30 22 10. Screen material: PVC Screen type: Factory cast 22 11 Screen type: Factory cast 22 11 Continuous slot 0 L. Borehole, diameter 23.9 in. Manufacturer MONOCLEX Slot size: Slot size: None 11. Beckfill material (below filter pack): None 11. Beckfill material (below filter pack): None 11. Beckfill material (below filter pack): None 11. Beckfill material (below filter pack): Other 11. Beckfill material (below filter pack): None 1	C' Lites, becs. rob 7552'6 re 1220 cr 75	7.8		·	je
Voissne added ZG ft 9. Well casing: Plant threaded PVC schedule 40 23 Finish threaded PVC schedule 30 22 Finish threaded PVC schedule 30 22 Finish threaded PVC schedule 30 22 Other 20 K. Borehole, bottom 288 ft. MSL or 212 g ft. Screen type: Factory cast 22 1 1 Continuous slot 0 0 L. Borehole, diameter 23.0 in. Manufacturer MONOFULX Slot size: Slotted length: 1.0. 21 Norse 21.0. Norse 21.		600	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Well screen, bottom 594 % ft. MSL or 2060 ft 9. Well casing: Plant threaded PVC schedule 40 23 Plant threaded PVC schedule 30 22 Plant threaded PVC schedule 30 22 Plant threaded PVC schedule 30 22 Plant threaded PVC schedule 30 22 Plant threaded PVC schedule 30 23 Plant threaded PVC schedule 30 24 Plant threaded PVC schedule 40 23 Plant threaded PVC schedule 40 23 Plant threaded PVC schedule 40 23 Plant threaded PVC schedule 40 23 Plant threaded PVC schedule 40 23 Plant threaded PVC schedule 40 23 Plant threaded PVC schedule 40 23 Plant threaded PVC schedule 40 23 Plant threaded PVC schedule 40 23 Plant threaded PVC schedule 40 23 Plant threaded PVC schedule 40 23 Plant threaded PVC schedule 40 23 Plant threaded PVC schedule 40 23 Plant threaded PVC schedule 40 23 Plant threaded PVC schedule 40 24 Plant threaded PVC schedule 40 25 P	H. Well screen, top _ U = Z . Z IL Male of L Z	3,2 "			74.1 Ed 21."
Flush directed PVC schedule 30 2. Other O					}-
I. Filter pack, bottom	L Well screen, bottom _ 277. Y ft. MSL or 20.	6.0 一	9. Well ca		
L. Borehole, bottom 288.8 ft. MSL or 212.9 ft. Screen type: Continuous slot: Other Manufacturer Slot size: Slot size: Other 10. Screen material: Continuous slot: Other Other 11. Backfill material (below filter pack): Norse Norse Other Other				Flush dreaded P	VC schedule 80 2
L. Borehole, bottom 288.8 ft. MSL or 212.9 ft. Screen type: Continuous slot: Other Manufacturer Slot size: Slot size: Other 10. Screen material: Continuous slot: Other Other 11. Backfill material (below filter pack): Norse Norse Other Other	J. Filter pack, bottom _ 271.8 ft MSL or 20	2 L _ 1 2 P	_		Other 🛛 🛴
L Borehole, diameter 23.9 in. Minufacturer MONOGLEX Minufacturer MONOGLEX Slot size: Slotted length: L D. 21 Inhereby certify that the information on this form is true and correct to the best of my knowledge.			10. Screen	namerial: PVC	<u> </u>
L Borehole, diameter 23.9 in. Minufacturer MONOGLEX Minufacturer MONOGLEX Slot size: Slotted length: L D. 21 Inhereby certify that the information on this form is true and correct to the best of my knowledge.	* Rosshole hottom _ 588.8 ft MSL or 21	200	Screen t	Voc	Factory cox 1
L. Borehole, diameter 23.9 in. M. O.D. well casing 24.22 in. N. LD. well casing 3.25 in. I hereby certify that the information on this form is true and correct to the best of my knowledge.	and parameters are a second			7F-	-
M. O.D. well casing Q y Q Q in. N. LD. well casing 3 25 in. I hereby certify that the information on this form is true and correct to the best of my knowledge.	I Nambala Samasan a G A :-	\24	2		
M. O.D. well casing Q y QQ in. N. LD. well casing 3 75 in. Slot size: Slotted length: LD. Q1 11. Backfill material (below filter pack): None Other Other	F Rotatore GT. & W.		\	- Madacie	
N. LD. well casing 3 25 in. 11. Beckfill material (below filter pack): None Other Other		•			
N. LD. well casing 3.25 in. 11. Backfill material (below filter pack): None Other I hereby certify that the information on this form is true and correct to the best of my knowledge.	M. O.D. well casing QJQQ in.		•		_
hereby certify that the information on this form is true and correct to the best of my knowledge.			•	•	
hereby certify that the information on this form is true and correct to the best of my knowledge.	N. LD. well casing 3.75 in.		`II. Beckfill	material (below filter pack):	
					Other
	I hereby certify that the information on this	form is true and co	rect to the best of	my knowledge.	
	Signer 2/2/24				

	State of Wisconsin			\	NOTO DINC UPO L	O. 1000 1 1000 0.11		
	Department of Natural Resources			For	ONITORING WELL C m 4400-113A	8-89		
	Facility/Project Name	Grid Location	M		Well Name			
	Facility License, Permit or Monitoring Number	1800 906	<u>.7</u>	L N. 🗆 S.	SPN-89-0			
•	racinty elective, remut or violatoring number	276 414	<u>.4</u>	Ľ E. □ W.	Wis. Unique Well Nu	mber DNR V	Vell N	umo
	Type of Well Water Table Observation Well 11	Section Location			Date Well Installed			
	Piezometer 212		1/4 of Section		Date Meil fuziaried	03/28/	89	>
	Distance Well Is From Waste/Source Boundary				Weil Installed By: (P	mm d d erson's Name and	Firm	7
	NA ft.	Location of Weil Re	E W		Dave Below	1E.C.Jos	<u>ا</u>	
	Is Well A Point of Enforcement Std. Application?	☐ Upgradient	☐ Sidegri	achent				<u> </u>
	☐ Yes ☐ No	☐ Downgradi						
	A. Protective pipe, top elevation _ \$20.20			1. Cap and lo		ΩY	a D	No
	B. Well casing, top elevation	r MSL		a. Inside dia	• •	•	G	. ⊝ in.
١	C. Land surface elevation _ #27.#	F MSL		b. Length:				. Oft
	D Surface seal, cottom ft. MSL or	ft. Same	2000	c. Material:		Sie		04
	12. USCS classification of soil near screen:			4 4466			= 0	
	GP GM GC GW GSW ELSP		I IX		al protection?	DJE WY	= 0	No
	DISM DISC DML DMH DCL DCH	\		_		Bentonii		3 0
	12 0	. \		3. Surface seal	٠, ١	Concre		
		~ \ B			Grat	Othe		
	14. Driving method used: Rotary 1 5	1 0	`	4. Material bet	ween well casing and p			
		<u> </u>			• ,	Bentonii		30
				(on of	Annular space sea		
	15. Drilling fluid used: Water 02 Air (2)	· · 188		5. Armular spe	Co seel:	Othe Granular Bentonin	_	33
h	Drilling Mud 🗆 03 None 🗆 9	'9 【		-	gal mud weight B		_	35
)	16. Drilling additives used?	. 🚆		Lbs	gai mud weight	Bentonite slurr		3 1
		` 📓		- S- %	Bentonite Ben	tonite-cement grou	ı 🗷	50
	Describe	—— 8		How installe	Volume added for			• •
	17. Source of water (attach analysis):				_	Tremie Tremie pumped	_	01
	- PW #2					Gravity		02
	120 0			6. Bentonite se	ા	Bentonite granules		33
	E. Bensonite seal, top _132.8 ft. MSL or 10;	5.Q ft 🚆		□1/4 in	.,□3/8 in. □1/2 in.			32
	F. Fine sand, top #0 14- ft. MSL or a)	🗎			ath Show	Other		
				/. I'me sand mi	uerial: Manufacturer,	product name and	mesh	ı size
	G. Filter pack, top			Volume adde	4.4	ft ³	-	
			ا ا		merial: Manufacturer,		i mest	h size
	H. Well screen, top _1118 ft. MSL or 111	2.2 ft.		Red F		Lerse-J	_	
	I. Well screen, bottom _ DDG & ft. MSL or 1 21			Volume adde . Well casing:		it i	_	
				. Well casting.		PVC schedule 40 PVC schedule 80		23
	1. Filter pack, bottom _ 206 & ft. MSL or 121	o n				Other		
	K. Borehole, bottom _ 492.8 ft. MSL or 135		10	. Screen mater	al: Schalle St			
	K. Borehole, bottom _ 274.1 ft MSL or 135	º r		Screen type:		Factory cut	8.	11
	L. Borehole, diameter 9.5 in.					Continuous slot	_	0 1
				Manufacturer	Time	Other	u	
	M. O.D. well casingin.		\	Slot size:			. DL	Q in.
	N. L.D. well casing 4 D in		\	Slotted length			_\$.	<u>Ot</u> l
\	N. LD. well casing		`11.	. Beckfill meter	rial (below files pack):	None	_	
•	hereby sertify that the information on this	form is true and	correct to the	best of my	konvierine	Other		
•	Signature [] A D R D _	Fam C			aranada.			
•	Year R. Louis		. Jordan	6.				
	Please complete and renam both sides of this form as re- ch. 144, Wis Stats., failure to file this form may result in math ch. 147. Wie State. (cilium to file this form)				DD (de. In accordance	With	
	with ch. 147, Wis. Stats., failure to file this form may n	sult in a forfeiture of	not more than \$1	0.000 for each	day of violation.			

State of Wisconsin Department of Natural Resources		MONITORING WELL CONSTRUCTION Form 4400-113A 8-89
Facility/Project Name	Grid Location (n	Well Name
Saclace Army Amounitions Plant	_4.600,904.9 # KN IS	
Facility License, Permit or Monitoring Number	276 654.4 # E E D	Wis. Unique Well Number DNR Well Number
Type of Well Water Table Observation Well 2011	Section Location	Date Well Installed
Piezometer 22	1/4 of 1/4 of Section	. 유류/축축/홍각
Distance Well Is From Waste/Source Boundary	TN. R DEDW	Well Installed By: (Person's Name and Firm)
Is Well A Point of Enforcement Std. Application?	Location of Well Relative to Waste/Source	Bil Metzger / F. C. Jordan (1)
□ Yes 区No	☐ Upgradient ☐ Sidegradient ☐ Downgradient ☐ Not Known	
A. Protective pipe, top elevation _ 823.26 f	it. MSLl. Cap an	
B. Well casing, top elevation _ £23.62 t	L MSL	ive cover pipe:
C. Land surface elevation		
D. Surface seal, bottom ft. MSL or	- May	July 2 04
12. USCS classification of soil near screen:	Add Add	itional protection?
GP GM GC GW GSW ESP		s, describer 4 auch me Posts
D SM D SC DML DMH D CL D CH	3. Surface	Seal: Bentonite 30
13. Sieve analysis attached? Yes	\ 200 2000 \	Concrete 0:
14. Drilling method used: Rotary 5	\ 1001 100H \	Other II
Hollow Stem Auger 🔯 4	1 \	Bentonite 3 C
Other 13	\	Annular space seal
15. Drilling fluid used: Water 🔲 02 Air 🔲 (01	Space seal: Granular Bentonite 33
Drilling Mud 🗆 03 None 🔼 9		Lbs/gal mud weight Bensonite-sand shurry 3
16. Drilling additives used? Yes M N		Lbs/gal mud weight Bentonite slurry
7		% Bentonite Bentonite-cement grout
Describe	How ins	Sed Fr volume added for any of the above talled: Tremie 0 0
17. Source of water (attach analysis):		Tremie pumped 🖾 02
- YW - 2C		Gravity 🔲 08
E. Bentonite seal, top _ 7808 ft. MSL or _ 41	6. Bentoni	· · · · · · · · · · · · · · · · · ·
E Benionite seat, top _ L A Q .e it MSL or _ J		4 in. \(\sigma 3/8\) in. \(\sigma 1/2\) in. Bentonite pellets \(\sigma 32\)
F. Fine sand, top	7. Fine san	d material: Manufacturer, product name and mesh size
G. Filter pack, top 2758 ft. MSL or 4		NP-
	1 Filter no	ck material: Manufacturer, product name and mesh siz-
H. Well screen, top _ 7 & 1 . 8 ft. MSL or _ 5	1.0 m	Flish Solice Filer Sand
I. Well screen, bottom _ 749 g ft. MSL or _ 7	Volume	
1. Well screen, collom _ 111.2 it MSL or _ 11	9. Well car	
J. Filter pack, bottom _ 149 & ft. MSL or _ 1_	1.0 ft	Flush threaded PVC schedule 80 22 24
K. Borehole, bottom		naterial: Schedule 60 AC
R. Borenoss, comm	Screen ty	C
L. Borehole, diameter 9.5 in.		
W 0.0 m. P. m. m. m. m. m. m. m. m. m. m. m. m. m.		urer Times
M. O.D. well casing _ 4 . sn.	Slot size Slotted k	
N. LD. well casing in.	`	querial (below filter pack): None
		Volice Ce or Other B
hereby certify that the information on this	Firm -	my knowledge.
The Bl	E. L. Jordan Co.	

State of Wisconsin Department of Natural Resources			ONITORING WELL CO rm 4400-113A	NSTRUCTION 8-89		
Facility/Project Name	Grid Location	M	Well Name	. 0		
Balaca how Ameritian Plat	4,800,902.4	_ 任 国 N. 🗆 S.	SPN-84-1			_
Facility License, Permit or Monitoring Number	27 690,1		Wis. Unique Well Num	ber DNR Wel	l Num	DC
			Date Well Installed			_
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Section Location		Date well installed	0317218	2	
Piezometer	1/4 of 1/4	of Section	Well Installed By: (Pe	m m a a v	m)	_
NA fr.		I E 🗆 W	Paul Bolmer	· /		٥.
Is Well A Point of Enforcement Std. Application?	Location of Well Relative to Upgradient	Waste/Source ☐ Sidegradient	Tau Rospies	/ 1 18100		Ξ,
☐ Yes 型 No	·	□ Not Known				_
A. Protective pipe, top elevation _ 823.66 ft	MSL	1. Cap and lo	ck?	⊠ Yes		Ь
4.0 53.6		2. Protective	cover pipe:			
B. Well casing, top elevation £22.53 ft	1171	a. Inside di		=	و. ي.	
C. Land surface elevation820.3 f	MSL	b. Length:			2.0	
D. Surface seal, bottom ft. MSL or	n. ≥=5:1	c. Material	:	Steel	=)4
12 USCS classification of soil near screen:		4 44	nal protection?	Other		
GP GM GC GW SW EXSP	I TOTAL I		escribe: 4 backing		<u> </u>	
SM SC DML MH CL DCH			_	Bentonite	- - 13	3 0
☐ Bedrock	\	3. Surface sea	, (Concrete	_	0 1
13. Sieve analysis attached? Yes X	6 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\	600+	Other	C.	
14. Drilling method used: Rotary 🔲 5	io 🔪 💥 🧱	4. Material be	tween well casing and pr	rotective pipe:	_	
Hollow Stern Auger 🔼 4	1 \			Bentonite		3 0
Other 🗆	\ 		/ 1_	Annular space seal	_	
15. Drilling fluid used: Water 02 Air		<u> </u>	Grout	Other		
15. Drilling fluid used: Water 0 0 2 Air 0 0 Drilling Mud 0 0 3 None 2 9		5. Annular sp		Granular Bentonite	_	3 3 3 5
2.224 D 03 7			s/gal mud weight Be s/gal mud weight		_	, , 3 1
16. Drilling additives used? Yes N	ь 🧱 🖼		sygat mud weight Bentonite Bent		_	5 O
			volume added for			, ,
Describe	🔛 🖼	How install		Tremie		0 1
17. Source of water (attach analysis):				Tremie pumped	Z 0	0 2
PU#2				Gravity		8 0
		6. Bentonite s		Bentonite granules		3 3
E. Bentonite seal, top _ 262 3 ft. MSL or _ 5	<u> </u>	1/4	in. D3/8 in. D1/2 in.		_	3 2
	, <u>\</u>			Other	-	
F. Fine sand, top	Ē'- ţ∕ ∕ 📓 📓	7. Fine sand i	material: Manufacturer.	product name and	mesh si	ize
G. Filter pack, top 2623 ft. MSL or 5	80 n \ 1 1 1	Volume ad	- 11	ft ³	-	
G. Filter pack, top _ 262.3 ft. MSL or _ 3	"\ <u></u>		material: Manufacturer		mesh s	S 17
H. Well screen, top _726.5ft MSL or _9	38 1 1	R.J.	7 1 1 1	L S.l		
		Volume ad		ñ ³	_	
I. Well screen, bottom _ 7215 ft. MSL or _ 9	8.8 m	9. Well casin	-	PVC schedule 40	_	23
			Flush threaded	PVC schedule 80	Z 2	24
J. Filter pack, bottom _ 7 2 1 .5 ft. MSL or _ 9	& & tr	\	K 1		•	
K. Borehole, bottom _ 215.3 ft. MSL or L Q				5 PUC	_ :	
K. Borehole, bottom _ 115.3 ft. MSL or 10	3.5 L	Screen typ	E:	Factory cut Continuous slot		
1 Dambala diameter				Other		0 1
L. Borehole, diameter _9.5 in.		Manufactur	er Timeo		-	
M. O.D. well casing _45_ in.		Slot size:	** <u></u>		019	>in
14. 4.5. 440 450 5 1 4 K = 40.		Slotted len	gth:		_ 5. 9	πÇ
N. I.D. well casing _ 4 D _ in.			aterial (below filter pack)			
			Jeline cave	Other	<u> </u>	
hereby certify that the information on this	form is true and corre	ect to the best of m	y knowledge.			

۵.

Fem

Signature

State of Wisconsin Department of Natural Resources			ONITORING WELL CONSTR m 4400-113A	UCTION 8-89
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Grid Location	M	Well Name 59N -89-020	,
Facility License, Permit or Monitoring Number	4,800,903.2		Wis. Unique Well Number	DNR Well Numb
Facility License, Fellin or Monatoring Manioci	276,702.8			
Type of Well Water Table Observation Well 11	Section Location		Date Well Installed	114189
Piezometer 🙎 12	1/4 of 1/	4 of Section	<u> </u>	144154
Distance Well Is From Waste/Source Boundary	TN, R	DEDW	Weil Installed By: (Person's	Name and Firm)
Is Well A Point of Enforcement Std. Application?	Location of Well Relative	to Waste/Source	Bill Meters / E	C. Jordan Co.
Yes No	☐ Upgradiers ☐ Downgradient			
A. Protective pipe, top elevation _ \$22.641		1. Cap and lo		Z Ys D No
B. Well casing, top elevation _ \$22.601		2. Protective a. Inside d	• •	_6. Oi-
C. Land surface elevation _ \$20.0 f	MSL	b. Langth:		
D. Surface seal, bottom ft. MSL or	n_	c. Materia	l;	Steel 22 04 Other 🔲
12. USCS classification of soil near screen:		d Additio	nal protection?	Yes D No
GP GM GC GW GSW GSP	/ / /	If yes,	lescribe: Y bucking too	2
SM OSC OMLOMHOCLOCH		3. Surface se	al:	Bentonite 30
13. Sieve analysis attached?	~ \		Grant	Concrete 0 0.
14. Drilling method used: Rotary	· \	4. Material b	etween well casing and protective	
Hollow Stem Auger				Bentonite 3 0
Duel Wall Other E	\ 		/	ar space seal 🔲
15. Drilling fluid used: Water [] 02 Air []	01	5. Annular s	Granul Granul	Other Bentonite 3
Drilling Mud 🗆 03 None 🗖	99	Li	os/gal mud weight Bentoniu	e-sand shurry 5
16. Drilling additives used?	. .		os/gal mud weight Beni	
4.		√220	Bentonite Bentonite-c	ement grout Bal. 30
Describe	📓 🖁	How instal		Tremie 01
17. Source of water (attach analysis):			Trea	nie pumped 🔼 02
<u> </u>			•	Gravity 🗖 08
		6. Bentonite		nite granules 🔲 33
E. Bentonite seal, top _ 120 of. MSL or 10	D.D ft. 💥	□1/4 a	in 03/8 in 01/2 in Bent	onite pellets 🔲 32
F. Fine sand, top 17th ft. MSL or 17		7 Fine cond	married Active	Other M(
F. Fine sand, top	F "	//. Pine sain	material: Manufacturer, produ	ct name and mesh size
G. Filter pack, top		Volume ad		
H. Well screen, top _696.0 ft. MSL or 12	Y.Om	8. Futer pace	majorial: Manufacturer, produ	et name and mesn ste
·		Volume ac		chedule 40 🔲 23
I. Well screen, bonom _691.0 ft. MSL or 12	Y.O	9. Well casir	Flush threaded PVC s	
I. Filter pack, bottom _61L Oft. MSL or 13	1.0 ft		erial: Schoole fo Pik	Other 🚨
K. Borehole, bottom _680.0 ft. MSL or 14	00 m	10. Screen ma Screen typ		Factory Cut 🖸 11
				tinuous slot 🔲 01
L. Borehole, diameter _ 2.5 in.	\cutter \cutte	\	ner Timeo	Other 🗖
M. O.D. well casing _4 \(\int_{\text{\tint{\text{\tint{\text{\tint{\text{\text{\text{\text{\text{\tint{\text{\tint{\text{\tin}\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tin}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tin}\tinin}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tert{\text{\text{\text{\text{\text{\text{\text{\text{\text{\texi}\tin}\text{\text{\texi}\text{\text{\texi}\text{\text{\text{\texi}\text{\texi}\text{\text{\texi}\text{\texi}\text{\texi}\text{\tex{\tin}\tin}\text{\text{\texi}\text{\texit{\text{\texi}\tex{		Manutacus Slot size:	11740	0. Q/Q in.
سعمر شب والمستدان المستدان المستدان المستدان المستدان		Slotted let	•	_£.0 ft.
N. LD. well casing			aterial (below filter pack):	None Other
I hereby pertify that the information on this	form is true and cor			
Signature () 4 // 0	Fam	-Λ. /		

State of Wisconsin Department of Natural Resources		<u> </u>	ONTTORING WELL CONST m 4400-113A	TRUCTION 8-89	
	Grid Location	, i	Well Name SPN - 89 -0	20	
Facility License, Permit or Moritoring Number	4,800,953.7	PI	Wis. Unique Well Number		Number
Pacific License, Permit of Monthshing Manager	376,907.0		TO SECULIAR		
Type of Well Water Table Observation Well 11	Section Location		Date Well Installed	312318	9
Piezometer 2 12	1/4 of 1/-	4 of Section	D m	ने विवे ए	<u> </u>
Distance Well Is From Waste/Source Boundary NA ft.	T N, R	O E O W	Well Installed By: (Person		
Is Well A Point of Enforcement Std. Application?	Location of Well Relative Upgradient	to Waste/Source Sidegradient	Paul Dalmer / Fil	- Jorday C	<u>- 8 ·</u>
☐ Yes ☑ No	Downgradient	☐ Not Known			
A. Protective pipe, top elevation _ \$12.21 f	L MSL	1. Cap and lo		⊠ , Yes	□ No
B. Well casing, top elevation	L MSL	2. Protective			6.0in
		b. Length:	eneur.	_	2. Oft
		c. Material		Steel	
D. Surface seal, bottom ft. MSL or	- n			Other	
12 USCS classification of soil near screen:			nal protection?	Yes De Yes	□ No
GP GM GC GW SW SESP			3	Bentonite	_
☐ Bedrock	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	3. Surface sea	<u>т.</u> /	Concrete	_
13. Sieve analysis attached? Yes I	% \		start	Other	Q
14. Drilling method used: Rotary	50	4. Material be	tween well casing and protect		5 20
Hollow Stern Auger 22 4			C \ A.	Bentonite nular space seal	_
			Start	Other	_
15. Drilling fluid used: Water 🔲 02 Air 🔲	01	5. Armular sp	ace seal: Gra	nular Bentonite	3 3
Drilling Mud 🗖 03 Name 🕱			s/gal mud weight Bento		_
16. Drilling additives used? Yes	% 5 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		s/gal mud weight Bentonii		
			volume added for a		
Describe		How install		Tremie	0 1
17. Source of water (attach analysis):			T	remie pumped	
			_	Gravity	
02995300	√ 2	6. Bentonite s	seal:	ntonite granules	
E. Bentonite seal, top _139.9 ft. MSL or _ 1	z.c. u./	1/4 \ G.	The US/8 BL U1/2 IL BO		
F. Fine sand, top NY ft. MSL or N	A n \	7. Fine sand r	naterial: Manufacturer, pro		
		/ /	N/A		_
G. Filter pack, top _ 232 5 ft. MSL or _ 8	7.6 m	Volume add			
H. Well screen, top _ 926 4 ft. MSL or _ &	87 1-	8. Filter pack	material: Manufacturer, pro		mesn size
n. Well screen, up J & w		Volume ad			-
I. Well screen, bottom	3.2 fc	9. Well casin			-
_			Flush threaded PV		
J. Filter pack, bottom _ 121 . 4ft. MSL or _ 1	3.1 m	10 50000 000	terial: Schedule 80	Other O	u
K. Borehole, bottom _ 115.1 ft. MSL or 10	0.0 ft.	Screen typ		Factory cut	DX 11
				ontinuous slot	01
L. Borehole, diameter _9.5 in.	\u2014	\ . 		Other	- -
M OD well assiss 4 e		Manufactur Slot size:	er Titro	o.	. DL Qin.
M. O.D. well casing _ 4.5_ in.		Slotted len	gth:		_ 5 .0n
N. LD. well casing 40 in.		11. Backfill m	sterial (below filter pack):	None	
	<u> </u>		Mise cen	Other	Q
hereby certify that the information on this			y knowledge.		
Signature OJJ Bl	E.C.	Jordan Co.			

State of Wisconsin Department of Natural Resources			ONITORING WELL, CONSTR rm 4400-113A	RUCTION 8-89
Book Home American Plant	Grid Location 4. 803 952.4	ø N.□S.	Well Name SPW - 89-03	
Facility License, Permit or Monitoring Number	277,666.8	_ β Œ E. □ W.	Wis. Unique Well Number	DNR Well Numb
Type of Well Water Table Observation Well 11 Piezometer 312	Section Location	lA of Section	Date Weil Installed	134189
Distance Well Is From Waste/Source Boundary	TN, R	DEDW	Well Installed By: (Person's	
Is Well A Point of Enforcement Std. Application? Yes 27-No	Location of Well Relative Upgradiers Downgradient	to Waste/Source Sidegradient Not Known	1 GOZ-H. Dece / F.	C Jarobas Co
A. Protective pipe, top elevation _ \$18.651	t. MSL	1. Cap and lo		E Yes [] No
B. Well casing, top elevation _SIS.351	t. MSL	2. Protective a. Inside di	- ·	_6.0 ÷
C. Land surface elevation 215.3	F MSL	b. Length: c. Materia		_1. <u>C</u> ; Steel 72 04
D. Surface seal, bottom fr_MSL or	1			Other 🔲 _
12. USCS classification of soil near screen: GP GM GC GW SW ELSP SM SC GML MH GC GC GH		If yes, d	hal protection?	Yes □ No Bentonite □ 30
☐ Bedrock	. \	3. Surface sea	ul:	Concrete 0
13. Sieve analysis attached?	\ # 2 21	4. Material b	etween well casing and protecti	Other 🗷 _
Hollow Stem Auger	41 \			Bensonite 3 C
Dual Livell Other ED	- \ 		Con-	lar space seal 🔲 Other 🗹
13. 3. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.	01	5. Annular sp	nce seal: Grams ns/gal mud weight Bentoni	alar Bentonite 33 te-sand shurry
16. Drilling additives used?	5 0		s/gal mud weight Ber Bentonite Bentonite-	
Describe		± 300 a	volume added for any	of the above
17. Source of water (attach analysis):		How instal		Tremie 🔲 0. mie pumped 🔂 02
Ri# 2				Gravity 🛛 08
E. Bentonite seal, top _ 203 3 ft. MSL or 1L	20 ft	6. Bentonite :	seal: Bento in, \$\Bar{\text{\sigma}}\$ in. \$\Bar{\text{\sigma}}\$ 1/2 in. Ben	mite granules 33 nonite pellets 32
		Brok	sole Slury	Other 🔯
F. Fine sand top ft. MSL or ft. MSL or ft.	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	7. Fine sand	material. Manufacturer, produ	act name and mesh size
G. Filter pack, top	2.0 f	Volume ad		
H. Well screen, top _622.6 ft. MSL or L 2	2.2 ft		material: Manufacturer, prod 1: L. S., E. F. Scarel ded fr	E name and mesh siz
I. Well screen, bottom _657 6 ft. MSL or 13	2.2 f	9. Well casin		
J. Filter pack, bottom _627 & ft. MSL or [2	2.2 a	10 5	terial: School & So PUC	Other 🚨
K. Borehole, bottom _685.3 ft. MSL or 13	0.0 ft	Screen typ	e:	Factory cut 🔯 11 ntinuous slot 🖸 01
L. Borehole, diameter 95 in.		<u> </u>		Other 🛚
M. O.D. well casing _4.1_ in.		Manufactus Slot size: Slotted len	egth:	0. Q] o in. _ 5 . O it.
N. LD. well casing _4.9_ in.			sterial (below filter pack):	None Other
I hereby certify that the information on this	form is true and co			

State of Wisconsin Department of Natural Resources			onfroking well C m 4400-113A	8-89 -	
Facility Project Name Backger Horn Amount jon Plant	Grid Location	M. S. N. O S.	Weil Name SPW-89-	04B	
Facility Eicense, Permit or Monitoring Number	277,211.6		Wis. Unique Weil Nui		Number
Type of Weil Water Table Observation Well 11 Piezometer # 12	Section Location 1/4 of 1/4	of Section	Date Well Installed	유료/유명/ \$	<u>9</u>
Distance Well Is From Waste/Source Boundary	T N, R [Well Installed By: (P	erson's Name and Fire	
Is Well A Point of Enforcement Std. Application?	Location of Well Relative to Upgradient	O Waste/Source Sidegradient	John Snow	Den 16 C. Jord	<u>au C</u> o
Yes UN6	Downgradient	Not Known 1. Cap and lo	ock?	☑ Yes 1	
A. Protective pipe, top elevation _ & 94.42 f		2. Protective		_	~
B. Well casing, top elevation _ £04.21 ft	11	a. Inside di			.Qin.
C. Land surface elevation _ \$2 \(\frac{1}{2}\). \(\beta \) f		b. Length:		Steel I	2.Qft. ■ 04
D. Surface seal, bottom ft. MSL or	·- "			Other [
12. USCS classification of soil near screen: GP GM GC GW SW SSSP SM SC ML MH CL GCH		If yes, d	nal protection? lescribe: 4 best ag	Posts Benjonite I	
☐ Bedrock		3. Surface sea	a):	Concrete I	
13. Sieve analysis attached? Yes	\ M4 82	A Mayerial b	erween well casing and	Other i	₹
14. Drilling method used: Rotary 5 5 Hollow Stem Auger 5 4		4. Material O	erween wen caping and	Bentonite	30
	 \		Gat	Annular space seal	
15. Drilling fluid used: Water 0 02 Air 0) 1	·	O too	Other I Granular Bentonite I	· ·
Drilling Mud 🗆 03 None 🖾		5. Annular sp Li	xace seat: xs/gal mud weight l		
16. Drilling additives used?		u	os/gal mud weight	Bentonite slurry	31
10. Diming and and and			Bentomite Be		50
Describe	📓 🖁	How instal		Tremie [
17. Source of water (attach analysis):				Tremie pumped {	_
4W355				Gravity [Bentonite granules [_
E. Bentonite seal, top _ 142.6 ft. MSL or _5	9.0 m		seal: in 03/8 in 01/2 i eulock Slory	n. Bentonite pellets [32
F. Fine sand, topft_ MSL or	<u> </u>	7. Fine sand	material: Manufacture		
G. Filter pack, top _ 137.6 ft. MSL or _ 6	4.0 m	, O.E.,		_ft ³	
H. Well screen, top	Q.Q ft	8. Filter pack Ne Volume ad		ft.	nesh size
[. Well screen, bottom _ 126 & ft. MSL or _ 1	5.0 ft	9. Well casin	ig: Flush threade	d PVC schedule 40	
I. Filter pack, bottom _ 1 2 6 6 ft. MSL or _ 1	S.D ft.	10 Screen me	riush ureado	d PVC schedule 80 Other	_
K. Borehole, bottom _ 22 L . & ft. MSL or _ 8	Q.Ω ft	Screen typ		Factory cut Continuous slot	_
L. Borehole, diameter 9.5 in.				Other	
M. O.D. well casing _ 1 in.		Manufactu Slot size: Slotted len	rer <u> </u>		DL Qin. 5. Oft.
N. I.D. well casing _ 1 Q _ in.		· · · · · · · · · · · · · · · · · · ·	aterial (below filter pac	k): None Cther	
hereby certify that the information on this			ny knowledge.		
Signature Value	E.C.	Jordan Co.			

Facility Description of Monitoring Number 1/4 of Section 1/4 of Sect	State of Wisconsin Department of Natural Resources			ONITORING WELL CONST rm 4400-113A	RUCTION 8-89	
Particle Length Werning of Monitoring Number 27 27 28 28 29 29 29 29 29 29	Facility/Project Name	Grid Location	М	Well Name		_
The companies of the contract of the contrac	Color how horacuition Plant	4 600 , 868.	S 🔑 🗷 N. 🗆 S.			
Distance Well is From Water/Source Equatory N. R N. R Well Measure to Waster/Source	Facility License, Permit or Monitoring Number		 m	Wis. Unique Well Number	DNR Well Numi	٠,
Datamer Well is From WesterSource Boundary ft. Is Well A Pout of Enforcement Std. Application? Yeb Yeb	Type of Well Water Table Observation Well 11	Section Location		Date Weil Installed	3130189	-
Is Well a Pour of Enforcement Set. Application? N. R.		1/4 of 1	/4 of Section	<u>m</u>	लें वें वें पें पें	
Is Well A Point of Enforcement Sid. Applications 1. Decausing of Well Relative to Water/Source Supported 1. Decausing to perform 1. Decausing to perfo	A J / N	TN, R	C E C W			
A Protective pipe, top elevation \$0.3.3 ft. MSL	7 · · · _ II	Location of Well Relative		those Below 12	·C Jorda Co.	_
A Protective pipe, top elevation \$\ \text{\$\text{\$\sigma}\$ \$\text{		_ ••				_
B. Well casing, top elevation \$\text{\$		L MSL			E Ye □ No	6
C. Land surface selevation D. Surface seal, bottom ft. MSL or F. MSL or G. Filter pack. top G. Filter pack. bottom G. F. MSL or G. Msc. Manufacturer, product name and mesh such the material such the material such the material such the material such the material such the material such the material such the material such the material such the material such the material such the material	B. Well casing, top elevation _ &D3.L2 f	L MSL	· H2 /	• •		i
D. Surface seal, bottom	C. Land surface elevation _ £00.2 f	MSL	11			
SP GR GR GR GR GR GR GR G	D. Surface seal, bottom ft. MSL or	fr ()		u.	Other 🗖	
SP GR GR GR GR GR GR GR G	12. USCS classification of soil near screen:		d. Additio	mal protection?	O I ET YE D No	0
Bertonic Other O	GP GM GC GW GSW SSP	/ / /	If yes,	describe: 4 bucking	10210	
13. Sieve analysis attached? Yes		\ \\	3. Surface se	al:		
G. Filter pack, top		. \) -
G. Filter pack, top	1 2	.° \ 📓	M Variable			<u>.</u> .
G. Filter pack, top		?.`\ \	· 4. Material o	cineri neli cizilik anti biora	* * -	រ ព
G. Filter pack, top		· · · · · · · · · · · · · · · · · · ·		~ \ Ann		, •
G. Filter pack, top	the Dell			pout	· = :	
G. Filter pack, top		01				3
G. Filter pack, top	Drilling Mind [] 03 None []	" 📟	<u> </u>	be/gal mud weight Bento	nite-sand shurry	כק
G. Filter pack, top	16. Drilling additives used?	. I	₩ - <u>-</u>	bs/gal mud weight B	entonite slurry U 3) - ~
G. Filter pack, top) U
G. Filter pack, top	Describe					ο.
G. Filter pack, top				= = = -		
G. Filter pack, top	1 PW= 2			•	Gravity 🔲 0	38
G. Filter pack, top			6. Bentonite	seal: Ben	nonite granules 🔲 3	1 7
G. Filter pack, top	E Reministre seal ton 9/02 ft, MSL or 9	05 fc 👹	1001	_	_	
G. Filter pack, top	E. Belliblic seed up - 2 2 2 2		8 / _S	entrile Skercy	Other 🗷	
G. Filter pack, top	F. Fine sand, top _ W A _ ft. MSL or _ U	₩ r	7. Fine sand	material: Manufacturer, pro	duct name and mesh si	ize
H. Well screen, top 6992 ft. MSL or 1015 ft. Well screen, top 6992 ft. MSL or 1015 ft. Well screen, bottom 6992 ft. MSL or 1015 ft. Well screen, bottom 6992 ft. MSL or 1015 ft. Well screen, bottom 6992 ft. MSL or 1015 ft. Well casing: Flush threaded PVC schedule 40 10 23 Flush threaded PVC schedule 80 10 24 Flush threaded P	G. Filter pack, top 705 2 ft. MSL or 9	5.5 m				
I. Well screen, bottom 6942 ft. MSL or 1065 ft. J. Filter pack, bottom 6242 ft. MSL or 1065 ft. Well casing: Flush threaded PVC schedule 40 23 Flush threaded PVC schedule 80 52 24 Flush threaded			8. Filter paci		aduct name and mesh	Siż
I. Well screen, bottom 6942 ft. MSL or 1065 ft. J. Filter pack, bottom 6942 ft. MSL or 1065 ft. I. Filter pack, bottom 6942 ft. MSL or 1300 ft. K. Borehole, bottom 670.7 ft. MSL or 1300 ft. L. Borehole, diameter 9.5 in. Manufacturer 1000 Manufacturer 1000 Manufacturer 1000 N. I.D. well casing 4.5 in. 11. Backfill material (below filter pack): None 1000 None 100	H. Well screen, top _699 1 ft. MSL or /C	V.5 m	Volume			
Flush threaded PVC schedule 80 E 24 I. Filter pack, bottom 624.2 ft. MSL or 106.5 ft. K. Borehole, bottom 670.7 ft. MSL or 130.0 ft. L. Borehole, diameter 9.5 in. Manufacturer 1 inc. Manufacturer 1 inc. Slot size: 0.010 in. N. I.D. well casing 4.0 in. 11. Backfill material (below filter pack): None 1 in.	I. Well screen, bottom _694 2 ft. MSL or /O	65 m	L' y			23
K. Borehole, bottom 670.7 ft. MSL or 130.0 ft. L. Borehole, diameter 9.5 in. Manufacturer 1:000 Manufacturer 1:000 N. I.D. well casing 4.0 in. 10. Screen material: 5000 ft. Screen type: Factory cut 51 11 Continuous slot 0 01 Manufacturer 1:000 Slot size: 0.010 in. 11. Backfill material (below filter pack): None 1 11. Backfill material (below filter pack): Other 5000 ft.				Flush threaded PV		24
K. Borehole, bottom 670.7 ft. MSL or 130.0 ft. L. Borehole, diameter 9.5 in. Manufacturer 1:000 Manufacturer 1:000 N. I.D. well casing 4.0 in. Screen type: Factory cut 15 11 Continuous slot 0 01 Manufacturer 1:000 Slot size: 0.010 in. 11. Backfill material (below filter pack): None 1.000 in.	J. Filter pack, bottom _ \(\text{L} \text{I} \) \(\text{ft. MSL or } \(\text{L} \)	6.5 n	10 Screen mi	aterial: Sheel & 60 P		
Constituous slot 01 L. Borehole, diameter 9.5 in. Manufacturer 1:000 Manufacturer 1:000 Slot size: 0.01 9 in. N. I.D. well casing 4.2 in. 11. Backfill material (below filter pack): None 1.1. Datus Cost Other 2.	K Borehole hottom 670.7 ft. MSL or 13	00 12				īī
M. O.D. well casing 4.5 in. Manufacturer Linco Slot size: 0.010 in. Slotted length: 11. Backfill material (below filter pack): None 1. 11. Backfill material (below filter pack): Other 2.	R. Dotellor, Commit		3			
M. O.D. well casing 4.5 in. Manufacturer 1: 100 Slot size: 0.019 in. Slotted length: 11. Backfill material (below filter pack): None 1.01 in. 11. Backfill material (below filter pack): Other 1.01 in.	L. Borehole, diameter 95 in.		~		Other 🛛 _	
N. I.D. well casing 4.0 in. Slotted length: 11. Backfill majorial (below filter pack): None 1. Datable Cost Other 1.	-		A	rer _Times		
N. I.D. well casing 4.0 in. 11. Backfill material (below filter pack): None 1	M. O.D. well casing _4,5_ in.		1	b.		
Dature Care Other B			1	~		"
I hereby certify that the information on this form is true and correct to the best of my knowledge.	N. LD. well casing _ 4.Q _ in.		•		3	
Second 1 / 10 / 1	I hereby cartify that the information on this		orrect to the best of n	ny knowledge.		

Department of Natural Resources		MONITORI Form 4400-1	NG WELL CONSTRUCTION 113A 8-89	
Facility/Project Name	Gnd Location M	Well Nan	ne	
Facility License! Permit or Monitoring Number	4,800,838.1 SC	N = S. SPA)-69-05A	
	229,011,3 /C R	E. W. Wis. Uni	que Weil Number DNR We	eil Numb
Type of Well Water Table Observation Well 🛛 11	Section Location		li Installed	
Piezometer 12	1/4 of 1/4 of Section			?
Distance Well is From Waste/Source Boundary	TN, R DEDW		alled By: (Person's Name and F	um)
Is Well A Point of Enforcement Sid. Application?	Location of Well Relative to Waste/So	urce Dill	letzer/E.C. Jordan	<u>. W</u>
☐ Yes CX No	☐ Upgradient ☐ Sidegradient ☐ Not Ki	· ·		
A. Protective pipe, top elevation _804.486		1. Cap and lock?	rg V _A	l No
B. Well casing, top elevation _804.25f		2. Protective cover pipe	: PA 12	. [] 10
• •		a. Inside diameter:		_6. <u>C</u> in
C. Land surface elevation _ gol 6 f	MSL	b. Length:		_2.0ft
D. Surface seal, bottom ft. MSL or		c. Material:	Steel	
12. USCS classification of soil near screen:		d. Additional protecti	Other	□ No
GP GM GC GW SW TSP SM SC DML DMH GC GCH		If yes, describe:		
D Bedrock	/ 開開//	3. Surface seal:	Bentonite	
13. Sieve analysis attached? Yes N	\ 201 \$\text{\$\exitt{\$\exitt{\$\text{\$\text{\$\exitt{\$\exitt{\$\text{\$\text{\$\text{\$\exitt{\$\exitt{\$\text{\$\exitt{\$\exitt{\$\exitt{\$\text{\$\text{\$\exitt{\$\exitt{\$\exitt{\$\exitt{\$\exitt{\$\exitt{\$\exitt{\$\exitt{\$\exitt{\$\exitt{\$\exitt{\$\exitt{\$\exitt{\$\exitt{\$\exitt{\$\text{\$\text{\$\text{\$\exitt{\$\exitt{\$\exitt{\$\exitt{\$\exitt{\$\exitt{\$\exitt{\$\exitt{\$\exitt{\$\exitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exitt{\$\text{\$\exitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exitt{\$\exitt{\$\text{\$\exitt{\$\tex{\$\tin}\$}}}}\$\exitt{\$\exitt{\$\exitt{\$\exitt{\$\text{\$\exitt{\$\exitt{\$\exitt{\$\exitt		Concrete	0 0 1
14. Drilling method used: Rotary 5	\ KM E201 \	4 Material barress multi	casing and protective pipe:	2
Hollow Stem Auger 🛍 4		4. WHITE IST DECACED WELL	casing and protective pipe: Bentonite	□ 30
Other 🚨		^ .	Annular space seal	
15. Drilling fluid used: Water 🔲 02 Air 📋 0	.		Other	
Drilling Mud 11 03 None 12 9	1 223 840	5. Annular space seal:	Granular Bentonite	3 3
			weight Bentonite-sand shurry	
16. Drilling additives used?	·	Lbs/gai mud	weight Bentonite slurry Bentonite-cement grout	31
Describe		2 400 Classic	ume added for any of the above	5 0
17. Source of water (attach analysis):	— (How installed:	Tremie	□ 01
Pu) #2			Tremie pumped	
			Gravity	
E. Bentonite seal, top _ 279 & ft. MSL or _ 23	106.	6. Bentonite seal:	Bentonite granules	
		L11/4 th. 12(3/8 ti	n. 1/2 in. Bentonite peilets	
F. Fine sand, top NA ft. MSL or NA	1.0 ft	7. Fine sand material: N	——————— Other Manufacturer, product name and r	
G. Filter pack, top _ 774.6 ft. MSL or _ 27		NA	<u> </u>	-
3. Filter pack, top _ 171 . Q it. MSC or _ 21		Volume added		
H. Well screen, top 769 .6 ft. MSL or _ 3 ;		Red Flish Silver	Manufacturer, product name and a	mesh size
		Volume added		•
. Well screen, bottom _ 249 & ft. MSL or _52	9		and the set of DMCD and the second	□ 23
7/19 (6 MSI 52		Flo	ash threaded PVC schedule 80	2 4
. Filter pack, bottom $_241.6$ ft. MSL or $_52$			Other	
C. Borehole, bottom $-24L.9$ ft. MSL or -60	D ft	. Screen material: Sch		_ ==
		Screen type:	Factory cut Continuous slot	_
Borehole, diameter _ 2.5 in.			Other	
	\	Manufacturer Times		
1. O.D. well casing _4.£_ in.	\	Slot size:		OL Q in.
I. I.D. well casing _ 4 Q _ in.	\	Slotted length:		16.0 tr
1.8 m	-11.	Backfill material (below	r filser pack): None Other	
			··· - (196-)	

• •						
State of Wisconsin Department of Natural Resources			ONITORING WELL CONSTR m 4400-113A	8-89		
Eacility/Project Name	Grid Location	М	Well Name			
Scalar Am Annuit our Plant	4.500.834.8	在 内 N. 口 S.	59N-89-051	٤		
Facility License, Permit or Monitoring Number	379,006.9	_ £	Wis. Unique Well Number		Nu	n.
Type of Weil Water Table Observation Weil 11	Section Location		Date Well installed			_
Piezometer 🗵 12	1/4 of 1/4	of Section	즐겁	13518	â	
Distance Well Is From Waste/Source Boundary			Well installed By: (Person s			- 1
41.4	TN, R	JE OW	Dave Belay / F C			0.
Is Well A Point of Enforcement Sid. Application?	Location of Well Relative to Upgradient	Waste/Source				
☐ Yes 【Z.No		Not Known				
		1. Cap and lo	ck?	Ø Ye	Ω	No
	MSL	2. Protective		_	_	_
B. Well casing, top elevation £24.02 ft	L MSL	a. Inside di	• •		6.	٥i
	. ver	b. Length:		_	2.6	
C. Land surface elevation _ XOL.6 f	Mar	c. Materia			B	04
D. Surface seal bottom ft MSL or	A. (2005)		_	Other	$\bar{\Box}$	
12. USCS classification of soil near screen:		d Additio	nal protection?	M Yes		No
GP GM GC GW B-SW MSP		If yes, o	describe 4 hacking Post	<u> </u>	_	
SM OSC DML DMH OCL OCH		1 \ \	•	Bentonite		30
☐ Bedrock	\ \	3. Surface se	al:	Concrete	ā	0
13. Sieve analysis attached? Yes N	b \		Comit	Other		
14. Drilling method used: Rotary 5	o \	4. Material b	etween well casing and protective			
Hollow Stem Auger 4	\ DOI 100		• .	Bentonite		30
	\ 		Annul	ar space sesi		
Albert Asset	············		Const	Other		
15. Drilling fluid used: Westr 02 Air () 1	5. Annular s	nace seal: Granui	ler Bentonise		3
Drilling Mud 🗆 03 None 🚨 9	9 88 88	1.	s/gal mud weight Bentonit			7 5
			bs/gal mud weight Ben			3.
16. Drilling additives used? Yes XN	b 🚟 🚟		Bentonite Bentonite			
·	1 2 2		volume added for any			
Describe	🛗 🚟	How instal		Tremie		01
17. Source of water (attach analysis):			Trea	mie pumped	戽	02
1 40 #2			•	Gravity		0.8
		6. Bentonite	seal: Rento	nite granules	п	3 3
E. Bentonite seal, top _ 130 1 ft. MSL or _ 1			in., [3/8 in.] 1/2 in. Bent	•	_	32
E. Bentonite seat, top _ 192.1 it industrie _ 1			Bubale Slurry			
F. Fine sand, top NA ft. MSL or N	۸ fr 🖊 👹 🖼	7 Eine and	material: Manufacturer, produ			
F. Fine sand, top	s/ / 🖼 🖼		NA MARINE THE POOR	Printing and	112-201	
G. Filter pack, top	6.5 ft.	Volume ad	ided NA ft3		_	
			material: Manufacturer, produ	act name and	mest	ı siz
H. Well screen, top _ 119.6 ft. MSL or _ 8	2.0 m	Real	Fligh Silver Filler	Such	_	
OIU / A Met an C		Volume ad 9. Well casi		chedule 40	п	23
I. Well screen, bottom _ 214 & ft. MSL or _ §	3.9 "	y. Wen casu	Flush threaded PVC s			24
I. Filter pack, bottom _ 212 . 6 ft. MSL or _ f	906-		i inti agoniui i vo	Other		•
1. Pitter pack, souton _ 1 1 E . J to 1	1.0 "	10 50000	serial: schooling to Pix		_	
K. Borehole, bottom _ 212.6 ft. MSL or _ &	9 O ft.	Screen typ		Factory cut	971	11
V. Polsuole' homotu		30.00.17		rtinuous slot		01
L. Borehole, diameter _ 9 5 in.		(Other		٠.
L. DOTEIDIR, GIATICUS _ 1.2 M.		Manufactu	res Times		_	
M. O.D. well casing _ 4 5 _ in.		Slot size:	·~	o	. 01	Q in
M. C.D. WELL CERLIE _ I, 2 _ II.		Slotted ler	ngth:			Ōε
N. LD. well casing		11. Beckfill m	usterial (below filter pack):	None	Ħ	
17. 16. NOL 0-10 _ 1.U _ #L				Other		
I hereby certify that the information on this	form is true and corre	ect to the best of n	ny knowledge.			
Signature // // // //	Finn Com					

State of Wisconsin		M	ONITORING WELL CONST	RUCTION		
Department of Natural Resources			rm 4400-113A	8-89		
	Grid Location	B-4	Well Name			
Dedace Arms American four that	4.805 556.1	Ж 🗷 н 🗆 s.	OBM-89-01			
Facility License, Permit or Monitoring Number	279,611.3		Wis, Unique Well Number	DNR We	II Nu	mbe
Type of Well Water Table Observation Well 2 11	Section Location		Date Well Installed	2.00.0	<u> </u>	
Piezometer 🔲 12	1/4 of	1/4 of Section	<u></u>	<u> </u>	7	
* Distance Well Is From Waste/Source Boundary	TN, R	пепи	Well Installed By: (Person			
NA ft.	Location of Well Relative	e to Waste/Source	Jin Buss / E.C	Jordan	(<u>ə.</u>
Is Well A Point of Enforcement Std. Application?	☐ Upgradient	☐ Sidegradient				
Yes KNo	☐ Downgradient		1.0		_	=
A. Protective pipe, top elevation _226.12 ft	L MSL	1. Cap and lo 2. Protective		⊠ Ye		1/10
B. Well casing, top elevation _ 895.99 ft	MSL —	a. Inside di			,	A :-
2. Land surface elevation _ \$93.6 f	. vet	b. Length:		_	2	Ø i≀r
		c. Material		Steel		04
D. Surface seal, bottom ft. MSL or	1			Other	=	_ ×
12. USCS classification of soil near screen:		d Addition	nal protection?	. ■ Ye		No
CP CM CC CW SW CSP	/ / [If yes, d	escribe: 4 bucking los	10	-	
D SM D SC DML D MH D CL D CH	/ /#	3. Surface sea	ni:	Bentonite		30
13. Sieve analysis attached? Yes N	. \ ₩			Concrete		0 1
	\ RX	W \	Oran D	Other		
14. Drilling method used: Rotary 5 Hollow Stem Auger 4	1 600	(4. Makeral de	tween well casing and protect	· · ·	_	2.0
			Annu	Bentonite dar space seal		30
730)		Cont	Other	_	987P
)1 [5. Armulæ sp	ace seel: Grant	ular Bentonite		33
Drilling Mud 03 Name 09	9		s/gal mud weight Bentoni		_	35
5. Drilling additives used? Yes N		in	s/gal mud weight Be	ntonite slurry		3 1
6. Drilling additives used? Yes N	°	5 %	Bentonite Bentonite	-cement grout	区	50
Describe			Travolume added for any	_	_	
17. Source of water (attach analysis):		How install		Tremie	_	0 1
1 00 100			· fre	emie pumped Gravity		02
	━╧┷┙ 👹			•	_	0 8
. Bentonite seal, top _ 107 .1 ft. MSL or _ 60	. < a ■	6. Bentonite s		onite granules	_	33
" Destinate sear, ob _ 127 1. The page _ 1	\	RX /	in. 2013/8 in. 11/2 in. Ben	Other	_	32
Fine send, top	<u> </u>	7. Fine sand n	naterial: Manufacturer, prod			ı size
G. Filter pack, top _ 199 6 ft. MSL or _ 94	10 " []		NVA ft ³		-	
G. Filter pack, top	1.2 m	My Volume and	led <u>AVA</u> ft ³ material: Manufacturer, prod			
. Well screen, top _ 1866 ft. MSL or 105	(D ft	hal c	hick, Silver F.L. S	and and		1 \$122
I. Well screen, bottom _ 768 6 ft. MSL or 125		Volume add	· · · · · · · · · · · · · · · · · · ·	ankadula 40	_	22
1. Well scient contour - 1.80 'S in Mon or 1.87		9. Well casing	Flush threaded PVC: Flush threaded PVC:		_	23 24
Filter pack, bottom _ 2666 ft. MSL or 13) O E _ [Finali diferent FVC	Other	_	- 24
•		10. Screen man	erial: School & GO Puk		_	-
Borehole, bottom _ 766 6 ft. MSL or 12	7. D ft.	Screen type		Factory cut	E	11
_				ntinuous slot	-	01
Torehole, diarneter _9.5 in.		1		Other		
			Timo			
f. O.D. well casingin_		Slot size: Slotted lens	reh-			Q in.
N. LD. well casing _ 4 O_ in.		,	terial (below filter pack):	None		Oft.
N. I.D. well casing _ 4.0_ in.		ri. Darmii ma	erer (ocus mici beck):	1-CIE		

lo

ereby certify that the information on this form is true and correct to the best of my knowledge.

Other D

in the growth of the control of the

Department of Natural Resources	-		rom 440	V-113A	8-09	
	Grid Location	m	Men N			
Bedrey Army Ameritian Plant	4,805,558:4	fr m x	. 🗆 s. 📗 💟	BN - 89-02		
Facility License, Permit or Monitoring Number	379, 769.2	£ 风 E.	. D.W.	undes wen unwest	DNR Wel	1 Millipe.
Type of Well Water Table Observation Well 211	Section Location		Date V	Vell Installed	210 218	. 0
Piezometer 12	1/4 of	1/4 of Section		<u>m</u> i	5 5 5 5 5	-
Distance Well Is From Waste/Source Boundary NA ft.	TN, RNocation of Well Relative	- DEDW	Well	nstalled By: (Person	s Name and Fi	ma) } /
Is Well A Point of Enforcement Std. Application?	Location of Well Relativ	e to Waste/Source Sidegradies	Tax s	2 Bagalan/E	C Jan	قدر
☐ Yes	Downgradient	□ Not Know				
A. Protective pipe, top elevation _ FF7. 251	it. MSL		Cap and lock?		Yes	□ No
B. Well casing, top elevation _ ££2.101	it. MSL	_ 6 / / / /	Protective cover p a. Inside diameter:			6 A:-
C. Land surface elevation _ \$14.8	([-		a. House charleter. b. Length:		_	6.0ir.
		11	c. Material:			Q 0
D. Surface seal, bottom ft. MSL or	"\	1			Other	
12. USCS classification of soil near screen:	1 7	N. Kara	d. Additional prot		ONS Yes	□ N ₀
ZGP DGM DGC DGW DSW DSP DSM DSC DML DMH DCL DCH		山//	•	- Tracking I	Bentonite	
D Bedrock	\	₩ \ `3.5	Surface seal:	• 1	Concrete	_
13. Sieve analysis attached? Yes	\ 1921		<u> </u>	ant	Other	四
14. Drilling method used: Rotary	1 1071	`4.1	Material between	well casing and protec		□ 30
Hollow Stem Auger Other				. Arm	Bentonite ular space seal	
					Other	=
15. Drilling fluid used: Water 0 02 Air		5. 7	Annular space sea	l: Gran	ular Bentonite	3 3 5
Drilling Mud 🗆 03 None 🗖	,,	-		and weight Benson	-	
16. Drilling additives used? Yes	%	-		uid weight Bensonis		
		*		volume added for an		عد عد
Describe	3		low installed:		Tremie	0 :
17. Source of water (attach analysis):				Tı	remie pumped	,
					Gravity	_ ••
ON ON WELL S	73 A 6	6. I	Bentonite seal:		tonite granules	
E. Bentonite seal, top _ & OL & ft. MSL or _ &	2.2 m		L1/4 m. LQ	3/8 in. 12 in. Be	Other	
F. Fine sand, top NA ft. MSL or 1	A _ ft_	7.1	Fine sand material	: Manufacturer, pro-		
				ш		-
G. Filter pack, top _ 2 26 8 ft. MSL or _ 5	18.0 m		Volume added	n) A- ft ³ al: Manufacturer, pro	A	
H. Well screen, top _ 7653ft. MSL or _ 9	95 1	/ · · ·	Red Air	Silée Eller		mesu st.
		, ·	Volume added	₹ 3.5 ft 3		-
I. Well screen, bottom _ 765.3 ft. MSL or 11	2.5 12	9. \	Well casing:	Flush threaded PVC		
J. Filter pack, bottom _ 764 8 ft. MSL or 12				Flush threaded PVC		=
J. Filter pack, bottom _ 191.0 ft. MSL of 11	0.0	10.5	Screen material:	School 80 P		<u> </u>
K. Borehole, bottom _ 264.8 ft. MSL or 12	0.0 ft.	<i>///</i> 2	Screen type:		Factory cut	2 1!
_			••	Co	onsinuous slot	0
L. Borehole, diameter _9.5 in.	\ <u></u>	_			Other	Π.
M. O.D. well casing _ 4 5 _ in.		` <u>`</u>	Manufacturer Slot size:	<u> </u>	o	. Q 1 Q ir.
M. C.D. WELL COURS _ 1 . Z _ M.		\	Slotted length:			22.Qr
N. LD. well casing _ 4 Q _ in.		`11.1	Backfill material (below filter pack):	None,	
					Other	
I hereby certify that the information on this Signature	form is true and c		est of my kno	wiedge.		
TIPING PINCO	FC	Jasoba.	_			

pepartment of Natural Resources		For	rm 4400-113A	8-89	
	Grid Location	1 ~1	Well Name	C	_
relity License. Permit or Monitoring Number	4,805,549.6	_ # TO N. C. S.	DBN -89-0 Wis. Unique Well Numo		_
1 Telling License. Permit of Months Manoc	379, 764.0	£ 6 E. D W.	WES CITTOR WET LITTLE	e Dive intervenion	•
e of Well Water Table Observation Well 11	Section Location	····	Date Well Installed	02:02:00	_
Piezometer D2.12	1/4 of 1/	/4 of Section		꽁꼭/용욕/출구	
Distance Well Is From Waste/Source Boundary	T N. R	DEDW	Well Installed By: (Pen		_
NA ft.	Location of Well Relative	to Waste/Source	Fred Broadon	/E.C. Jorden Co	۵.
Well A Point of Enforcement Std. Application?	☐ Upgradient☐ Downgradient	☐ Sidegradient			
Protective pipe, top elevation 2827.02 f		1. Cap and lo	ck?	Zi Yes 🗆 No	_
• • •		2. Protective		L L	
: Il casing, top elevation _ & & G . 9 Q f	ı. MSL	a. Inside di	• •	_ 6 . Q in.	L
and surface elevation _884.8 f	· MSL	b. Length:		_1.0ft	
Surface seal, bottom ft. MSL or	file and the second	c. Materia	Ŀ	Steel Z 04	4
12. USCS classification of soil near screen:		A Addison	nal protection?	Other 🗆 121 Yes 🖸 No	-
GP GM GC GW SW SP	1 1/200	IV /	lescribe: 4 baking	0512	
SM SC OMLOMHOCLOCH		R \ \		Bentonite 30	0
□ Bedrock	\	3. Surface sea	E ()	Concrete 0 0 1	1
3. Sieve analysis attached? Yes	b \	—	(ser+	Other [2]	_
Drilling method used: Rotary	0 \	↑4. Material b	etween well casing and pro	otective pipe: Bentonite 3 0	Λ
Hollow Stern Auger C				Annular space seal	J
Cuch wan			God	Other 🛂 🚟	
	01	5. Annular sy		Granular Bentonite 33	3
Drilling Mud 🗆 03 None 🗆	99		os/gal mud weight Ber		
orilling additives used?	<u>.</u>		os/gal mud weight		-
Diamit Subdividuos.	Sio 50 41		6 Bentonite Bento		0
Describe	📓	How instal		rany of the above Tremie □ 01	1
Source of water (attach analysis):				Tremie pumped 2 02	-
PW+2				Gravity 🔲 08	
		6. Bensonite	seal:	Bentonite granules 🔲 33	3
Bentonite seal, top _254.8 ft. MSL or 13	0.0 m	□ 1/4	in. □3/8 in. □1/2 in.	Bentonite pellets 2 3 2	2
	. \ 🗯	 /		Other 🔲	_
F Kine sand, top _ NA _ ft. MSL or _ N	\ \\	*** / /	material: Manufacturer.	product name and mesh size	£
U. Filter pack, top _ 245 & ft. MSL or 13	900	Volume ad	A	63	
				product name and mesh siz	ZĒ
Well screen, top _ 139 & ft. MSL or 14	20 m	Sed E	iliah Silva Filler	Scol	
B a		Volume ad		iko Nasatataka 10 m. 21	,
I. Well screen, bottom _ 1348 ft. MSL or 15	0.0 m	9. Well casir	•	PVC schedule 40 🔲 23 PVC schedule 80 🖼 24	
1 Filter pack, bottom _ 734 & ft. MSL or L.5	D D ft		Limit dicerent	Other	•
·		10. Screen ma	serial: Semente 60		_
F Borehole, bottom _ 724.8 ft. MSL or 16	0 0 ft.	Screen typ		Factory cut 🗶 11	ī
_		3		Continuous slot 0 1	1
L. Borehole, diameter _ 9.5 in.		\ . 		Other 🛘	-
1 OB wall assiss 44 m in		Manufacta Slot size:	rer limes	0. Q1 Qir	n.
1 O.D. well casing _ 4 . 5 _ in.		Slotted ler	igth:	\$.0 i	
N. I.D. well casing _ Y & _ in.		11. Backfill m	naterial (below filter pack):		
			al Cove	Other E	_
eby cartify that the information on this		rrect to the best of n	ny knowledge.		_
Signature	Firm E.C	Jordan Co.			

State of Wisconsin Department of Natural Resources	MONITORING WELL CONSTRUCTION Form 4400-113A
Facility/Project Name Cond Location 4 805 597.8 Facility License. Permit or Monitoring Number 279.806.8	Well Name OG M - 89-03 Wis. Unique Well Number DNR Well Numb
Type of Well Water Table Observation Well 四日 Section Location Piezometer 日121/4 of	of Section Date Well Installed D2/16/89 mm d d d v v
Distance Well Is From Waste/Source Boundary T N, R	Well Installed By: (Person's Name and Firm) Dow H. Below / F. C. Jorden Co.
Is Well A Point of Enforcement Std. Application? Location of Well Keistive to	Waste/Source ☐ Sidegradient ☐ Not Known
A. Protective pipe, top elevation _ £2 £.9 ft. MSL	1. Cap and lock?
B. Well casing, top elevation _898.85 ft. MSL	2. Protective cover pipe: a. Inside diameter:6.0
C. Land surface elevation _ 976.4 f MSL	b. Length:
D. Surface seal, bottom ft. MSL or ft.	Other 🖸
12. USCS classification of soil near screen: AGP GM GC GW GSW GSP	d. Additional protection? If yes, describe: 4 bucking for
D SM D SC DML D MH D CL D CH	3. Surface seal: Bentonise 30
13. Sieve analysis attached?	Croat Other &
14. Drilling method used: Rotary 50 Hollow Stem Auger 41	4. Material between well casing and protective pipe: Bentonite 3
One of the last	Armular space seal Other M
15. Drilling fluid used: Waser 02 Air 01	5. Armular space seal: Granular Bentonia
Drilling Mud 🗆 03 None 🗆 99	Lbs/gal mud weight Bentonite-sand shury Lbs/gal mud weight Bentonite shury 3.
16. Drilling additives used?	% Bentonite Bentonite-cement grout 🗷 57
Describe	*330 c.l. Probume added for any of the above How installed: Tremie 0
17. Source of water (attach analysis):	Tremie pumped 25. 02
	Gravity 🛘 0 🤉
E. Bentonite seal, top _ 101 .4 ft. MSL or _ 28.0 ft.	6. Bentonite seal: Bentonite granules 3 3 1/4 in. 43/8 in. 1/2 in. Bentonite pellets 3 2
	Other []
F. Fine sand, top	7. Fine sand material: Manufacturer, product name and mesh siz
G. Filter pack, top112 .4 ft. MSL or _18.0 ft.	Volume added NA ft3
H. Well screen, top _183.4 ft. MSL or 113.0 ft.	8. Filter pack material: Manufacturer, product name and mesh siz
L Well screen, bottom _ 263 4 ft. MSL or 133 0 ft.	Volume added 25 ft ³ 9. Well casing: Flush threaded PVC schedule 40 23
1. Filter pack, bottom _ 757 4 ft. MSL or 139 D ft.	Flush threaded PVC schedule 80 📆 24
750 11	10. Screen maserial: School & STO NC
K. Borehole, bottom _ 757.4 ft. MSL or 139.0 ft.	Screen type: Factory cut 2 11 Continuous slot 0 01
L. Borehole, diameter 9.5 in.	Continuous slot 0 01
M. O.D. well casing 45 in.	Manufacturer Linco Slot size: 0. Q1 Q in
iti. Vier. West vesting J., J Mi.	Slotted length: 20_0 ft

N. LD. well casing

4.0

Please complete and return both sides of this form as required by this. 144, 147 and 160, Wis. Stats., and th. NR 141, Wis. Adm. Code. In accordance with the Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with the Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

Backfill material (below filter pack):

Other

ty/Project Name	Grid Location	107	Well Name		
cer from Amountions Phint	4 805 874.1	⊭ ⊠ N □ S.	DBN-89-64A		
Facility License, Permit or Monitoring Number			Wis. Unique Well Number	DNR Well N	umoer
	379,605.0	F E E C W.			
of Well Water Table Observation Well [1]	Section Location		Date Well Installed		
	1/4 of 1/	A of Continu	ءِ ۔۔۔۔۔	2/45/83	•
Piezometer 12 Distance Well Is From Waste/Source Boundary	1/4 or 1/4	4 of Section	Well Installed By: (Person		
. 0.1	T N. R	DEDW			
1)4- t.	ocation of Well Relative	to Waste/Source	Das H. Belan	E.C. Jorden	<u>م (</u> ه.
			[
☐ Yes Ø No	☐ Downgradient	☐ Not Known	<u> </u>		
Protective pipe, top elevation _120.07 ft.	MSL	1. Cap and lo	ck?	21 Yes 🗆	No
		2. Protective	cover pipe:		
b Well casing, top elevation _919.89 ft.	. MSL	a. Inside di	• •	G	. Oin.
•	11 - 1	b. Length:			.Oft
(Land surface elevation _912.5 f	MSL	L			
. Jurface seal, bottom ft. MSL or	fi. Factor	c. Materia	Ľ	Steel 🔼	
				Other 🗆	
12. USCS classification of soil near screen:	1	A Addition	nal protection?	, DYes 🗆	No.
GP GM GC GW GSW ESP	/ / 1/ /	If yes, d	lescribe: 4 bucking 46	d-3	
SM SC DML DMH DCL DCH	/ <u>/ III (</u>			Bentonite 🗆	30
☐ Bedrock	\	3. Surface sea	- 1	Concrete 🗆	01
Sieve analysis attached? Yes N		88 \	Crost		_
	`\ <u>1821</u> 18	8		Other 🖾	'
Drilling method used: Rousy 5	\ BB R	`4. Material b	etween well casing and prou	- '	
Hollow Stem Auger 4		₩		Bentonite 🗆	30
Simil Wall Other III	\ 	₩	Grow An	mular space seal 🔲	1
***	1 🖼 🖟		Cont	Other 🗓	
. Drilling fluid used: Water 202 Air 20)1 201 8	5. Annular sp	Con	mular Bentonite	
Drilling Mud 03 None 9	9 🖼				
Stand Mee E 03 140E E 1			x/gal mud weight Bents		
rilling additives used?		<u> </u>	os/gal mud weight l Bentonite Bentoni	Bentonite slurry 📙	31
rilling additives used? Yes N	° 😹 🖡				50
		* <u>340 a</u>	volume added for a	my of the above	
Describe	👹 🛭	How instal		Tremie 🗆	0 1
Source of water (attach analysis):	1 🐯 F	#	•	Tremie pumped	02
200-1-2	33			Gravity 🗆	
	=== ₩ #	X		• -	• ••
		6. Bentonite:	seal: Be	ntonite granules 🔲	33
Hentonite seal, top _ 29 L . Sft. MSL or L 20	E O fin 🔯		in. 🗷 /8 in. 🗆 1/2 in. E	lentonite pellets 🗷	F 32
, (Milating and ab = 2 = 2 : =		X /		Other 🛛	ì
F Tine sand, top NA ft. MSL or n)	L fL 🔪 💹 🎉	7. Fine sand	material: Manufacturer, pr	nduct same and sta	eh eiza
TANG 2 mer mob TANG 10 mes or TANG	· - · - / / 2		N4	DOUGH HARING THE THE	311 3126
101 Carrer - 19		¥ /		3	
G. Filter pack, top _ 186.5 ft. MSL or 13		Volume ad			
160	→	8. Filter pack	material: Manufacturer, p	. ^	esh size
i Well screen, top _ 1 82.5 ft. MSL or 1 3.	2.0 1 7	May E	list Silver Filler S	and_	
		Volume ad	lded <u>~ 26</u> ft	ه	
I. Well screen, bottom 7625 ft. MSL or 151		9. Well casir	ng: Flush threaded PV	C schedule 40	23
		[]	Flush threaded PV		24
J Filter pack, bottom _ 262 5ft. MSL or 15;	Con-			Other C	ì
_	2000	<u>ا</u> ر	ما المعالم ومانية		
V. Borehole, bottom _ 262 5 ft. MSL or 15		10. Screen ma			
F. Borehole, bottom _ 16 & 5 ft. MSL or 15	2.D r	Screen typ		Factory cut	
		A		Continuous slot	0 1
L. Jorehole, diameter 95 in.	\earticle (**)	<u>م</u>		Other 🖸]
		Manufactu	rer Linco		
? O.D. well casing 95 in.		Slot size:		0. <u>c</u>	21 Qin.
1 O'D' MER CARR TI'L M.		Slotted ler	igth:	2	⊘ . ⊘ it.
		`	•	None II	
N. I.D. well casing _ 4.0 _ in.		II. Sacarril m	aterial (below filter pack):		•
				Cther C	
eby certify that the information on this		rect to the best of n	ny knowledge.		
Jin frature // // //	Fem / /				
Y. J. J. Comment	1 56	Jordan Co.		_	
se complete and return both sides of this form as r	equired by chs. 144, 147;	and 160, Wis. Stats., and c	h. NR 141, Wis. Adm. Cod	e. In accordance w	ıth
1.44 Wie State failure to file this form may result	t in a forfeiture of not less	than 510, nor more than 5	i5,000 for each day of viola	tion. In accordance	e
with ch. 147, Wis. Stats., failure to file this form may	result in a forfeiture of no	or more than \$10,000 for e	ach day of violation.		
معاملون والمراب والمعافض والمرابع	روو يستحو فحوا هجاريتما ماركا برموي الأدارا	-			

•	
State of Wisconsin Department of Natural Resources	MONITORING WELL CONSTRUCTION
	Form 4400-113A 8-3
Facility/Project Name Grid Loc	
Sadger Army American Plant 4	
THE PROPERTY OF THE PARTY OF TH	805 881.4 # QNOS. DBN-89-04B
	27, 597.6 K M F D W Wis. Unique Well Number DNR Well Nu-
	279, 597.6 K M E. D W. Wis. Unique Well Number DNR Well Nu-
Type of Well Water Table Observation Well 11 Section	
Type of Well Water Table Observation Well 11 Section	Ocation Date Well Installed
Piezometer Z 12	1/4 of 1/4 of Section O 2 / 4 / 8 9 m m / d d / 8 9
Distance Well Is From Waste/Source Boundary	1/4 of Section m m d d v v
T	N, R DEDW Well Installed By: (Person's Name and Firm)
1/4 n.	
Is Well A Point of Enforcement Std. Application?	of Well Relative to Waster Source Upgratiers Sidegradient
is the state of reflectment per Abbrection:	Upgradiers Sidegradient
	Downgradient Not Known
A. Protective pipe, top elevation _929.39 ft. MSL -	1. Cap and lock? Yes D ?
	A Description
B. Well casing, top elevation _ 930.14 ft. MSL -	
•	a. Inside diameter:
C. Land surface elevation _912.2 f MSL	11 1
D. Surface seal, bottom ft. MSL or ft.	C. Material: Steel 12 04
	One [
12. USCS classification of soil near screen:	
	d. Additional protection?
D GP D GM D GC D GW D SW DGP	If yes, describe: 4 bucking tests
SM DSC DML DMH DCL DCH	
☐ Bedrock	3. Surface seal: Bentonite 3 9
12 6:	Concrete D
13. Sieve analysis attached?	221 222 1 222 223
14 Pailling mathed worth	Other B
14. Drilling method used: Rougy 50	4. Material between well casing and protective pipe:
Hollow Stem Auger 41	CON 1774
Shal Wall Other 1	Bentonius 🖸 🗈
Charle Moit	Annular space seal
15. Drilling fluid used: Weer 🔲 02 Air 🔯 01	Other El
*****	5. Annular space seal: Granular Bentoni 3
Drilling Mud 🗆 03 None 🗆 99	Lbs/gal mud weight Bemonite-sand sha
16. Drilling additives used? Yes	Lbs/gal mud weight Bentonite shurry
7.0	% Bentonite Bentonite-cement grout \$ 50
	+ WSO C. I
Describe	450 gr volume added for any of the above
17. Source of water (attach analysis):	How installed: Tremie 🔲 (
Pu) #	Tremis pumped 🖾 02
	Gravity □ n
	·
0450000	6. Bentonite seal: Bentonite granules 🗀 😙
E. Bentonite seal, top _245.2 ft. MSL or L22. Dft.	□1/4 in. □3/8 in. □1/2 in. Bentonite pellets ■ 32
	2 1/2 in Editionité peties E 32
E Time and are 11 A 1001 Ald	Other []
F. Fine send, top ft_ MSL or NA ft_	7. Fine sand material: Manufacturer, product name and mesh si
	7. Fine sand material: Manufacturer, product name and mesh si
G. Filter pack, top _740.7 ft. MSL or L22.0 ft.	
G. Little, barrer toh TIAT T. Tr. Wing of CIXTO IC	Volume added
<u>.</u>	
H. Well screen, top _135.2 ft. MSL or 1820 ft.	8. Filter pack material: Manufacturer, product name and mesh si
" an annount mb TET'T in was At TEE'S IF	Med Flink Slow Eller Siml
	Value added to the
I. Well screen, bottom _ 130 7 ft. MSL or 189 0 ft.	The state of the s
" word wom - TSS.T ir word IED. O Ir	9. Well casing: Flush threaded PVC schedule 40 2
A -	Flush threaded PVC schedule 80 🖾 2
J. Filter pack, bottom _ 230.2 ft. MSL or 1820 ft.	1 mm diesten LAC selleting on M 5
TOTION TO THE TAXABLE TOTION OF TOTION OF THE	Other 🗆
8 a m m	10 5
K. Borshole, bottom 122.7 ft. MSL or L15.0 ft.	-
	Screen type: Factory cut 🗷 1
	Consistence also E
L. Borehole, diarneter 95 in.	
₩.	\ Other D
	Manufacturer Links
M. O.D. well casing _ 4 & _ in.	
▼ → ◆ , ™ → ₹4	wars.
	\ Slotted length: _5.0ft.
N. LD. well casing _4.0_ in.	11 Badell on the amount
= march (#F max = =================================	
	- Notice Care Other
I hereby certify that the information on this form is t	rue and correct to the best of my knowledge
Signature () / // / / From	to the dest of my knowledge.
	6/ 1/10/20

State of Wisconsin Department of Natural Resources		MONITORING WELL CONSTRUCTION Form 4400-113A 8-89
acility/Project Name	Grid Location	Well Name
	4 805.625.7 St & N. O.S	
Facility License, Permit or Monitoring Number		
Pacifity License, I ethili of Molawing 1-2:10-2	274,535.2 E. D. W.	
	Section Location	Date Weil Installed
1/pe of 11 and 11 and 0 and 1 and 11 and 12		02/15/89
Piezometer 12	1/4 of 1/4 of Section	mm dd v v
Distance Well Is From Waste/Source Boundary	TN, R DEDW	Well Installed By: (Person's Name and Firm)
NR ft.	Location of Well Relative to Waste/Source	- Dave Belon / E.C. Jooken Co.
Is Well A Point of Enforcement Std. Application?	☐ Upgradient ☐ Sidegradient	
☐ Yes	Downgradient Not Known	
A. Protective pipe, top elevation _ 122.58 ft	. MSL1. Cap an	
B. Well casing, top elevation _900.43 ft	MSI ————————————————————————————————————	tive cover pipe:
B. Well casing, top elevation _ 400.13 n	a Insid	le dismeter:
C. Land surface elevation _277.9 f	MSL b. Leng	gth: _2.Qfc
	c. Mat	erial: Steel 🔼 04
D. Surface seal, bottom ft_ MSL or	··- "\	Other 🛚
12. USCS classification of soil near screen:		litional protection? See 12 No
GP GM GC GW GSW ELSP	/ /	es describe 4 bucking tosts
SM SC OML OMHOCL OCH		Bentonite 🔲 30
☐ Bedrock	3. Surface	Concrete 0 01
13. Sieve analysis attached? Yes	b \	Grant Other DK
14. Drilling method used: Rotary 5	0 4. Materi	al between well casing and protective pipe:
Hollow Stem Auger 4	1	Bentonite 🖸 30
Our Call Other Ed.		Annular space seal
- Unat (LBH	`````\ ** **	Other EX
15. Drilling fluid used: Water 02 Air (
Drilling Mud 03 None 9	9 3. Armus	r space seal: Granular Bentonite 5 3 3 Lbs/gal mud weight Bentonite-sand shurry 5 3 5
	· \	
16. Drilling additives used?	, 	_ bod but mee weight Destander start,
	·	% Bentonite Bentonite-cement grout 🗷 50
Describe	ASSO	Gel Fr volume added for any of the above stalled: Tremie 0 0 1
, 17. Source of water (attach analysis):	— I M M now m	
QW#2		Tremie pumped 🗷 02
- YW= Z		Gravity 🗖 08
	6. Benton	
E. Bentonite seal, top _ \$55.9 ft. MSL or _ 9	1.e ft. 🛭 🗸 🗆	1/4 in. 3/8 in. 11/2 in. Bentonite pellets 2 32
		Other 🔲
F. Fine sand, top DA ft. MSL or DI	4. Materia 4. Materia 5. Armula 5. Armula 6. Benton 7. Fine sa	and material: Manufacturer, product name and mesh size
		NA
G. Filter pack, top _801.9 ft. MSL or _9	G o fr. Volume	e added NA ft ³
O. 1 Har part of _221.1 _2		pack material: Manufacturer, product name and mesh size
H. Well screen, top _ 2909 ft. MSL or LQ		2 Flut Silica Filler Sand
II. Well scients up		e addect == 3.4 ft ³
I. Well screen, bottom _ 110 .9 ft. MSL or 12		
I. Well screen, contain		Flush threaded PVC schedule 80 🖾 24
2. Filter pack, bottom _ 120.9 ft. MSL or 12		Other 🖸
J. Filter pack, bottom _ 170 .1 tt MSE of 14	7.2	material: School 80 PUC
70094 451 12	10. Screen	
C. Borehole, bottom _220.9 ft. MSL or 12	Y . D ft. Screen	· · · · · · · · · · · · · · · · · · ·
_		Continuous slot 🔲 01
L. Borehole, diameter _9.5 in.	_	Other 🛚
		courser Times
1. O.D. well casing _4.5_ in.	Slot siz	
	\	l length: 20.0 ft.
N. LD. well casing 4.0 in.	- 11. Backfil	ll material (below filter pack): None 🗵
		Other []
ereby certify that the information on this	form is true and correct to the best of	f my knowledge.
Signature () 1 DQL	Firm E ()a=0 (a	
11 11 11 57	· · · · · · · · · · · · · · · · · · ·	

and the second of the second o

	WELL DETAIL INFOR	MATION SH	EET	
	JOB	NO	C 10313	
	918.72 BOR		DBM-82-01	
本	010_00_	-	3/23/82	
(9)			Mark D.	
	LOCATION Badger A	rmy Ammun	ition Plant; Deter	rent Burning Grour
E1e	917.0 All dept to be fr indicate	om ground	ments of well deta surface unless of	il assumed herwise
	1 DEPT SLOT	H TO BOTT	OM OF WELL POINT (OR EET.
5	2 DEPT		OM OF SEAL (if ins	talled)
	3 DEPT	H TO TOP (OF SEAL (if instal FEET.	led)
, 1	4 LENG	TH OF PVC 20 FE	WELL SCREEN, ET.	
	5 TOTA	L LENGTH (OF PIPE 155.5 IN. DIAMETER.	FEET
	6 TYPE POIN	OF FILTEI T OR SLOT	R MATERIAL AROUND TED PIPE <u>Pea Gra</u>	WELL vel.
	7 CONC	RETE CAP,	YES NO	(Circle One)
1 2	8 HEIG	HT OF WELI	L CASING ABOVE GRO	UND
4 6		ECTIVE CAS HT ABOVE S ING CAP?	SING? YES NO CROUND2.7	(Circle One)
	(10) TYPE	OF BACKE	ILL: 6:2 Cement:	Bentonite
	(11) THIC	KNESS OF (GRAVEL PACK27	FEET.
	12 DEPTI	TO FIRST	COUPLING 7.8	5 FEET. 5 FEET.
			F BOREHOLE 176	FEET.
	\smile			
	BORING# DATE	TIME	DEPTH TO WATER	REMARKS
OBM DBM	J-82-01 5/11/82	-	139.73'	From top of casir.

		•			J08	NO	C 10313			
					BOR	NG NO.	D8M-82-02	<u> </u>		
一 本	-I=-	A C	Elev.	920.37	DATE		3/20/82			
- 1	(9)	8	M		CHI	F	Tom O.			
	$\mathcal{L}(\mathbf{B})$			LOCATION B	Badger A	rmy Ammui	nition Plan	t; Deter	rent Burning	Grounds
7//			Ele	to		m ground	ments of we surface un			
				1	DEPTH SLOTT	TO BOTTO	OM OF WELL	POINT OR	ET.	
5) [- - - -		(2	DEPTH	OF BOTT(25.5	OM OF SEAL	(if inst FEET.	alled)	
T	•	- - -	•	3	DEPTH	TO TOP (OF SEAL (if		ed)	
,			10	4		H OF PVC 20 FEE	WELL SCREE	<u>N</u> ,		
		00 00		5) TOTAL		OF PIPE IN. DIAMETE		EET	
	(1) →	000	3	6	YYPE POINT	OF FILTER	R MATERIAL TED PIPE <u></u>	AROUND W Pea Grave	ELL el .	
	•	101		7) CONCR	ETE CAP,	YES	<u>NO</u> (Circle One)	
_ 4	1		(2)	8) HEIGH	T OF WELL	CASING AB		DAI	
	4		(6)	9	HEIGH	H ABOVE (SING? YES GROUND YES	2.5	(Circle One)	
									·	,
	不	XXX	k (1)	(10	TYPE	OF BACKF	ILL: 5:2 (ement:	Bentonite	
		\bowtie		(11	THICK	INESS OF (GRAVEL PACK	30	O FEET	· .
				12		TO FIRST	COUPLING_	9.25 9.75	5 FEET	
	1		//	(13	TOTAL	рертн ол	BOREHOLE	155.9	5 FEET	T _
				200211011	_					•
(13		$\times\!\!\times\!\!\times$	> -	BORING#	DATE	TIME	DEPTH TO	WATER	REMARKS	
<u>(1)</u>			// DBI	1-82-02 5/	/11/82	. •	137.66'		From top of	casing
							II			-
					I					
	•			- [
				•		,				

	JOB NO. C 10313
·	BORING NO. DBN-82-01B
** Elev. 908.11	DATE 3/22/82
(9)	CHIEF Tom O.
LOCATION	Badger Army Ammunition Plant; Deterrent Burning Groun-
Elev. 905.5	All depth measurements of well detail assumed to be from ground surface unless otherwise indicated.
	DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 157 FEET.
5	DEPTH OF BOTTOM OF SEAL (if installed) 146 FEET.
	3 DEPTH TO TOP OF SEAL (if installed) 126 FEET.
10	4 LENGTH OF PVC WELL SCREEN, 2 FEET.
	5 TOTAL LENGTH OF PIPE 157.5 FEET 0 4 IN. DIAMETER.
11 0 0 0 3	TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel .
	7 CONCRETE CAP, <u>YES</u> <u>NO</u> (Circle One)
	8 HEIGHT OF WELL CASING ABOVE GROUND 2.5 FEET.
4 6	9 PROTECTIVE CASING? YES NO (Circle One) HEIGHT ABOVE GROUND 2.5 LOCKING CAP? YES NO (Circle One)
	10 TYPE OF BACKFILL: 7:2 Cement: Bentonite
	11) THICKNESS OF GRAVEL PACK 11 FEET.
	DEPTH TO FIRST COUPLING 8.75 FEET. COUPLING INTERVAL 9.75 FEET.
	13) TOTAL DEPTH OF BOREHOLE 157 FEET.
BORING#	DATE TIME DEPTH TO WATER REMARKS
DBN-82-01B	5/11/82 - 128.68' From top of casing
-	

C 10313

			J08 :	٧0.	C 10313	
					DBN-82-01C	
- 1 		Elev. 907.66	DATE		3/22/82	
9	Pe	7	CHIE		Tom O.	
1 (8)		LOCATION	Badger Am	ny Ammuni	tion Plant; Deter	rent Burning Grounds
		Elev.905.0	All denth	measurem	ents of well det	ail assumed
			to be from	n ground	surface unless o	therwise
			indicated.	•		
			DEPTH SLOTTI	TO BOTTO	M OF WELL POINT 167	OR FEET.
5			2 DEPTH	0F B0TT0 156	M OF SEAL (if in FEET.	stalled)
		. (3 DEPTH	TO TOP 0	F SEAL (if insta FEET.	11ed)
		(0)	4 LENGTI		WELL SCREEN, T.	
		(5 TOTAL	LENGTH O	F PIPE 167.5 N. DIAMETER.	_FEET
	> 0000	← 3			MATERIAL AROUND	
	MM		7) CONCR	ETE CAP,	YES NO	(Circle One)
	-	(2)	8 HEIGH	T OF WELL 2.5	. CASING ABOVE GR	OUND
-	小:川: ず	←(6)				(Circle One)
Y		\bigcirc		T ABOVE 0 NG CAP?	ROUND 2.5	
			10) TYPE	OF BACKET	LL: 6:2 Cement:	Bentonite
<u>*</u>		\leftarrow \bigcirc	\searrow		GRAVEL PACK	11 FEET.
			\simeq	_		
				TO FIRST	COUPLING	FEET.
)		//	(13) TOTAL	DEPTH OF	BOREHOLE 1	67 FEET.
Š		BORING#	DATE	TIME	DEPTH TO WATER	R REMARKS
(13)		> <u></u>				
		ELN-82-01C	5/11/82	-	128.28	From top of casing
L						
		_			·	
			1			}

ABB Environmental Services, Inc.

MONITORING WELL CONSTRU	
MICHAELINGUM VECTO CIUM STATE	ſ

Facility/Project Name	Crid Location		Weil Name	
BAOUR AAP		fL □ N. □ S.	EW-91-07A	
Faculty License, Permit or Monitoring Number			Wis. Umque Well Number	DNK Well Nu
Type of Weil Water Table Observation Weil [11]	Section Location		Date Weii installeri	
Piezomete:	1/4 of 1/4	of Section .	1	/숙음/ 북 🕻
Distance Well is From WasterSource Boundary			Weil installed By: (Person's ?	vame and rum)
NA ft.	TN.R	EOW	6 BORINEZ	
Is Well A Point of Enforcement Sin. Application?	Location of Weil Kentive to	☐ SideMadiess ☐ SideMadiess		
☐ Yes B.No	_ ,,	Not Known	LATAE	
A. Protective pipe, top elevation _ 512.23 f		_1. Can and lo		e ye o
		2. Protective		- 10 L
B. Weil casing, top elevation _ 897.65 f	L MSL	a Inside di	~ -	04.5
0063	. ver	b. Length:		06.4
C. Lind surface elevation _ 272.2 c	.Mac	c Materia		Steel @ U-
D. Surface seal, bottom ft_MSL or			-	Other []
12 USCS classification of soil near screen:		d addition	nal protection?	Ye ☐ ː
GP GM GC BCM BSM GSP	1 / 1		escribe Bucher Posts	
USM USC UMLUMHUC UCH	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\ \ \		
☐ Bedrock	\ <u>``</u>	3. Surrace sea	al:	- ساسبان
13. Sieve analysis anached? Yes	ه 🎖 🕷			Concrete E
1	\ xx xx	\ \\	etween well casing and protectiv	Other 🗖
14. Drilling method used: Rotary D 3		'4. MEE'11 0	ermeetr men casmil and brotection	•
Hollow Stem Auger	\			. بي سياس
DUAL WALL REV. AIROTHE BY	\ 		Amus	a space seal []
15. Drilling fluid used: Water [] 02 Air		<u> </u>		Other
		5. Amuiar sp		Benton 3 3
Drilling Mud 103 None 1			os/gal mud weight Bentonite	
16. Drilling additives used? Tyes The			æ/gal mud weight Bens	
16. Drilling additives used?		_5 %	Bentonite Bentonite-c	
) <u> </u>			Ft ³ volume added for any o	if the above
Describe		How install		Tremie 🔲 🕡
17. Source of water (attach analysis):			Tren	rie brambeg 🔲 (C)
BAAP PRODUCTION WELL !	<u> </u>	•		Gravity 🗷 08
		6. Bentonite :	seal: Benton	ire granules 🔲 🕝
E Bentonite seal, top _ 796.3 ft MSL or 09	90 1 💥 🖼	,	in. 03/8 in. 01/2 in. Benu	_
E Bentomie seat, wh _ L L Z		/		Other 📮
F. Fine send, top ft. MSL or a g		7 Fire send	material: Manufacturer, produc	
F. Print State, top	7:5 / XX 🖼	400	C Minimizenta, produc	A things that means.
G. Filter pack, top 79/3 ft. MSL or 20	40 to 18 18	Volume ad		
G. Filter pack, top	- * ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		meterial: Memofactures produ	je na nama nad stank sin
H Well screen top 279 5th MSL or //	5° 4.	C.S		Pr Utilitie Stay metalf 3
H. Well screen, up _III. 2 ft. MSL or 22				
L Weil screen, bostom _769.5tt. MSL or 22		Voiume at 9. Well casin		chedule 40 🔲 23
L Well screen, bottom _ TY1.2 IL Mal or / 2	2.9 "人	7. Well Cally	First dreaded PVC so	
7/97 A MEL			PRISH DIVERSE PVC S	
I. Filter pack, bottom _ 769.3 ft MSL or 12	6.0 m		eniale SCU 80 4"	Obs
K Borrhole bottom 765.3 t. MSL or 13		10. Screen me		
K. Borehole, bottom _ 143.2 ft MSL or 13		Screen typ		Factory CIX 1
			Con	tinuous slot 🔲 0
L. Borehole, diameter 09.0 in.	<u> </u>	\		Other 🛚 📜
	•		Marshix	
M. O.D. well casing Q45Q in.		Slot size:		0. <u>0. 1 0</u> i
•		Slotted les	•	10.8
N. LD. well casing Q3.75 in.			aterial (below filter pack):	None
		SURR	ONDING SCOIMER	Other
I hereov certify that the information on this	form is true and corre	ect to the best of m	v knawledge.	
Signature CA OZ OZ To	From 1/17			
Kort K Kushi	415/5	-65		

L.

		•			30	B NO	C 10313			
	•				80	RING NO.	D8M-82-02		·	
不	IT 9		Flev	920.37			3/20/82			
(9)		V		CH	IEF	Tom ().			
. `	(8)	111	H	LOCATION	N Badger	Army Ammu	nition Plan	t; Deter	rent Burning	Grounds
7//				ev. 918.2		rom ground	ments of <u>we</u> surface un			
					1 DEP SLO	TH TO BOTT TTED PIPE_	OM OF WELL	POINT OR FEE	IT.	
(5)				I	2 DEP	TH OF BOTT 125.5	OM OF SEAL	(if insta FEET.	lled)	
Y			- -	ı	3 DEP	TH TO TOP 105.5	OF SEAL (1f	installe T.	ed)	
		- - -	10)	4 LEN	GTH OF PVC 20 FE	WELL SCREE	<u>N</u> ,		
		- 1 00			(5) TOT	AL LENGTH	OF PIPE IN. DIAMETE	138 F8 R.	ET	
	$0)\rightarrow$	0 9	3				R MATERIAL TED PIPE			
	•			_ (7 CON	CRETE CAP,	YES	<u>NO</u> (0	ircle One)	
	1		* -(2)	8 HEI	GHT OF WEL	L CASING AB		iD	
	4		6)	9 PRO	TECTIVE CA	SING? YES	2.5 NO	(Circle One)
	1 1				LOC	KING CAP?	YES	<u>NO</u>	(Circle One)
	<u> </u>		·	`	(10) TYP	E OF BACKF	ILL: 5:2 (:ement: B	entoni te	
		XX		,	(11) THI	CKNESS OF	GRAVEL PACK	30	FEE	 •
		XX	\$		\succ		•			
		XX	X		(12) DEP	TH TO FIRS PLING INTE	T COUPLING_ RVAL	9.25 9.75	FEE'	
		XX					F BOREHOLE	155 5	FEE	7
			\mathscr{U}							١.
		XX		BORING#	DATE	TIME	DEPTH TO	WATER	REMARKS	
				BM-82- 02	5/11/82	-	137.66'		From top of	casing
								ļ	-	-
					1					
	•	-	-		1					
					-					

	JOB NO. C 10313
	BORING NO. DBN-82-01B
Elev. 908.11	DATE 3/22/82
[(9)]	CHIEF Tom O.
LOCATION LOCATION	N Badger Army Ammunition Plant; Deterrent Burning Ground
Elev. 905.5	All <u>depth</u> measurements of <u>well detail</u> assumed to be from ground surface unless otherwise indicated.
	1 DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 157 FEET.
5	2 DEPTH OF BOTTOM OF SEAL (if installed) 146 FEET.
	3 DEPTH TO TOP OF SEAL (if installed) 126 FEET.
10	4 LENGTH OF PVC WELL SCREEN, 2 FEET.
	5 TOTAL LENGTH OF PIPE 157.5 FEET 0 4 IN. DIAMETER.
	6 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel .
	7) CONCRETE CAP, YES <u>NO</u> (Circle One)
2	8 HEIGHT OF WELL CASING ABOVE GROUND FEET.
4 6	PROTECTIVE CASING? YES NO (Circle One) HEIGHT ABOVE GROUND 2.5 LOCKING CAP? YES NO (Circle One)
¥ (1)	10) TYPE OF BACKFILL: 7:2 Cement: Bentonite
	11) THICKNESS OF GRAVEL PACK 11 FEET.
	DEPTH TO FIRST COUPLING 8.75 FEET. COUPLING INTERVAL 9.75 FEET.
	(13) TOTAL DEPTH OF BOREHOLE 157 FEET.
BORING#	DATE TIME DEPTH TO WATER REMARKS
DBN-82-01B	5/11/82 - 128.68' From top of casin
· ·	
•	

•	JOB NO C 10313
	BORING NO. ELN-82-03A
1 A B C D Elev. 927.96	
9	CHIEF Larry F.
LOCATIO	ON Badger Army Ammunition Plant; Existing Landfill
Elev. 925.7	
	All <u>depth</u> measurements of <u>well detail</u> assumed to be from ground surface unless otherwise indicated.
	DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 155 FEET.
5	2 DEPTH OF BOTTOM OF SEAL (if installed) 140 FEET.
	3 DEPTH TO TOP OF SEAL (if installed) 120 FEET.
	4 LENGTH OF PVC WELL SCREEN, 10 FEET.
	5 TOTAL LENGTH OF PIPE 147.5 FEET @ 4 IN. DIAMETER.
(11)	TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel.
	7) CONCRETE CAP, YES NO (Circle One)
2	8 HEIGHT OF WELL CASING ABOVE GROUND 2.5 FEET.
4	9 PROTECTIVE CASING? YES NO (Circle One) HEIGHT ABOVE GROUND 2.5 LOCKING CAP? YES NO (Circle One)
	(10) TYPE OF BACKFILL: Cement: Bentonite Grout 5:1
	\times
	11) THICKNESS OF GRAVEL PACK 15 FEET.
· 💥	(12) DEPTH TO FIRST COUPLING 0.7 FEET. FEET. FEET.
	^
	13) TOTAL DEPTH OF BOREHOLE 155 FEET.
BORING#	DATE TIME DEPTH TO WATER REMARKS
ELN-82-03A	5/11/82 - 148.65' From top of casing
•	•

	JOB NOC	10313	
-	BORING NO.		
1 Elev. 927.73	DATE	3/25/82	
(9)	CHIEF	то	<u> </u>
B LOCATION_	Badger Army Amm	unition Plant; Exi	sting Landfill
	All <u>depth</u> measurem to be from ground : indicated.		
	DEPTH TO BOTTON SLOTTED PIPE	M OF WELL POINT OF	ET.
5	DEPTH OF BOTTOM	M OF SEAL (if inst	alled)
	DEPTH TO TOP OF	F SEAL (if install FEET.	ed)
	LENGTH OF PVC V	WELL SCREEN, T.	
		F PIPE 166.5 F N. DIAMETER.	EET
1 (11) -> (0 (0	TYPE OF FILTER POINT OR SLOTTE	MATERIAL AROUND W	ELL •
	CONCRETE CAP,	YES NO (Circle One)
2	HEIGHT OF WELL	CASING ABOVE GROU	ND
4 6 9	PROTECTIVE CASI HEIGHT ABOVE GR LOCKING CAP?	ROUND YES 2.5 NO	(Circle One) (Circle One)
	O) TYPE OF BACKFIL	L: Cement: Benton	nite Grout
	1) THICKNESS OF GR	RAVEL PACK 20	FEET.
\bowtie	2) DEPTH TO FIRST		FEET.
	COUPLING INTERV	/AL 9.75	FEET.
	3) TOTAL DEPTH OF	BOREHOLE 160	FEET.
BORING#	DATE TIME	DEPTH TO WATER	REMARKS
	3/25/82 4:30	50'	1 hour after
	3/26/82 11:30	125'	development
5	/11/82 -	148.54'	From top of casing
-			
1	1 1		

	JOB NO. C 10313
	BORING NO. ELN-82-03C
T T T Elev. 927.20	DATE 3/24/82
9)	CHIEFTO
	ON Badger Army Ammunition Plant; Existing Landfill
Elev. 925.3	All <u>depth</u> measurements of <u>well detail</u> assumed to be from ground surface <u>unless</u> otherwise indicated.
	DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 176 FEET.
5	2 DEPTH OF BOTTOM OF SEAL (if installed) 164 FEET.
	3 DEPTH TO TOP OF SEAL (if installed) 144 FEET.
10	4 LENGTH OF PVC WELL SCREEN, 2 FEET.
	5 TOTAL LENGTH OF PIPE 176.5 FEET Q 4 IN. DIAMETER.
	TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel
	7 CONCRETE CAP, (YES) NO (Circle One)
	8 HEIGHT OF WELL CASING ABOVE GROUND 2.5 FEET.
4	9 PROTECTIVE CASING? YES NO (Circle One) HEIGHT ABOVE GROUND 2.5 NO (Circle One) LOCKING CAP? YES NO (Circle One)
<u> </u>	10 TYPE OF BACKFILL: Cement, Bentonite Grout 5:1
₩ . ∪	11) THICKNESS OF GRAVEL PACK 12 FEET.
	DEPTH TO FIRST COUPLING 8.5 FEET. COUPLING INTERVAL 9.75 FEET.
BORING# ELN-82-03C	DATE TIME DEPTH TO WATER REMARKS 5/11/82 0 148.04 From top of casing
)	
• •	
•	

JOB NO. <u>C 10313</u>
BORING NO. ELN-82-04A
DATE 3/26/82
(9) CHIEF LF
LOCATION Badger Army Ammunition Plant; Existing Landfill 921.82
All depth measurements of well detail assumed to be from ground surface unless otherwise indicated.
DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 151 FEET.
DEPTH OF BOTTOM OF SEAL (if installed) 131 FEET.
3 DEPTH TO TOP OF SEAL (if installed) 111 FEET.
LENGTH OF PVC WELL SCREEN,
5 TOTAL LENGTH OF PIPE 143.5 FEET
TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel.
7) CONCRETE CAP, YES NO (Circle One)
8 HEIGHT OF WELL CASING ABOVE GROUND FEET.
2007727715 0107100 100 100 100 100 100 100 100 100
4 PROTECTIVE CASING? YES NO (Circle One) HEIGHT ABOVE GROUND Z.5 NO (Circle One) LOCKING CAP? YES NO (Circle One)
10) TYPE OF BACKFILL: Cement: Bentonite Grout 5:1
11) THICKNESS OF GRAVEL PACK 20 FEET.
(12) DEPTH TO FIRST COUPLING 5 FEET. COUPLING INTERVAL 9.75 FEET.
(13) TOTAL DEPTH OF BOREHOLE 151 FEET.
BORING# DATE TIME DEPTH TO WATER REMARKS
ELN-82-04A 5/11/82 - 144.25' From top of casing
. 1 1 1

	JOB NO. C 10313
本	2 DATE 3/26/82
9	CHIEF LF
LOCATIO	ON Badger Army Ammunition Plant; Existing Landfill
Blev. 921.92	2
	All <u>depth</u> measurements of <u>well detail</u> assumed to be from ground surface unless otherwise indicated.
	DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 165 FEET.
5	DEPTH OF BOTTOM OF SEAL (if installed) FEET.
	3 DEPTH TO TOP OF SEAL (if installed) 123 FEET.
	LENGTH OF PVC WELL SCREEN, FEET.
	5 TOTAL LENGTH OF PIPE 165.5 FEET @ 2 IN. DIAMETER.
	TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel.
	7 CONCRETE CAP, YES NO (Circle One)
	8 HEIGHT OF WELL CASING ABOVE GROUND 2.5 FEET.
4	9 PROTECTIVE CASING? YES NO (Circle One) HEIGHT ABOVE GROUND 2.5 LOCKING CAP? YES NO (Circle One)
	(10) TYPE OF BACKFILL: Bentonite: Cement Grout 3:5
	(11) THICKNESS OF GRAVEL PACK 22 FEET.
	\times
	(12) DEPTH TO FIRST COUPLING 8.5 FEET. COUPLING INTERVAL 9.75 FEET.
	(13) TOTAL DEPTH OF BOREHOLE 165 FEET.
BOSTNO	
BORING#	DATE TIME DEPTH TO WATER REMARKS
ELN-82-04B	5/11/82 - 144.47' From top of casing
·	
. *	
.	

	JOB NO. C 10313	
<u>.</u>	BORING NO. ELN-82-04C	
本 1 本 目 Flev. 923.99	DATE3/25/82	
(9)	CHIEF LF	
LOCATIO	N Badger Army Ammunition Plant: Existing Landfill	
Elev. 921.52		
	DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 173 FEET.	
5	2 DEPTH OF BOTTOM OF SEAL (if installed) 152 FEET.	
	3 DEPTH TO TOP OF SEAL (if installed) 132 FEET.	
	4 LENGTH OF PVC WELL SCREEN, 2 FEET.	
	5 TOTAL LENGTH OF PIPE 173.5 FEET @ 4 IN. DIAMETER.	
	6 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel .	
	7 CONCRETE CAP, YES NO (Circle One)	
2	8 HEIGHT OF WELL CASING ABOVE GROUND 2.5 FEET.	
4	9 PROTECTIVE CASING? YES NO (Circle One) HEIGHT ABOVE GROUND 2.5 LOCKING CAP? YES NO (Circle One)	
	10) TYPE OF BACKFILL: 5:1 Cement: Bentonite	
	(11) THICKNESS OF GRAVEL PACK 21 FEET.	
	DEPTH TO FIRST COUPLING 9.0 FEET. COUPLING INTERVAL 9.75 FEET.	
	13 TOTAL DEPTH OF BOREHOLE 173 FEET.	
BORING#	DATE TIME DEPTH TO WATER REMARKS	
13 ELN-82-04C	5/11/82 - 144.77' From top of casin	ng

ABB Environmental Services, Inc.

MONITORING WELL CONSTRUCTION FOR:

1 actification to leave the second	Gnd Location		Wed Name	
Babuen AAP		r a x a s.	RPM-91-01	80.300
Facility License, Permit or Monitoring Number		L DEDW	Wis. Unique: Well Number	DNR Well Number
Type of Weil Water Table Observation Weil 211	Section Location		Date West installed	17.6.91
Piezometer 🔲 12	SE 1/4 or SW 1	4 of Section 7		/골음/빛-
Distance Well is From WasterSource Boundary	1		Weil installed By: (Person s.	Name and rum)
NA te	T_O_N.R_7	IO Waster Source	6 RORIGUEZ	
	Location of Weil Aciative		LATHE	
☐ Yes	☐ Downgrations	I. Cap and lo		GYS D No
A. Protective pipe, top elevation _374.14		2. Protective		
B. Well casing, top elevation _ 272.961	E MSL	a Inside di	* *	Q6.2 in
C. Land surface elevation _821.8	MSL	b. Length:		₫₫. 0 11
D. Surface seal bottom ft. MSL or	a	c. Maueria	<u> </u>	Steet 0 -
12 USCS classification of soil near screen:		d Addition	nal protection?	@ 10 D No
GP GM GCC BCW BSW GSP	/ / /	If year o	terontee Bucken & POST	* + GRAVECA
OSM OSC OMLOMHOCLOCH	/ 別	3. Surrisce se	ai:	Bentonite 🔲 3 û
Bedrock 13. Sieve analysis attached?	· / 점	*******	-	Concrete 0:
		X		Other 🗖
14. Drilling method used: Rotzry [7]	\ 2	, 4' Waterat D	etween well casing and protective	e pipe: Bentonite 🔲 3 0
Hollow Stern Auger D	······· \		A serval	nt starce seri
BUAL WALL Other LA	` \		- Canada	Other 🗆
15. Drilling fluid used: Water 12 02 Air	01	5. Armular s	nece seal: Granul	ar Bentonite 3 3
Drilling Mod □ 03 None □	99		be/gal mud weight Bemoniu	
			be/gai mud weight Beni	
16. Drilling additives used?	6	<u>_5</u> 9	6 Bentonite Bentonite-c	ement grout 🗹 🗺
D			Ft ³ volume added for my o	of the above
Describs		How instal		Tremis 🔲 0:
i 🔿			Tres	nie pumped 🔲 0 :
MODULTION WELL # 2				Crawity 🗷 03
A		6. Bentonite		ine examples 🔲 33
E Bentomite seal, top _ 7884 ft MSL or 08		12:1 ;4	in. 3/8 in. 11/2 in. Benu	_
	_ , \ 📓	6. Bentonite 12:174 7. Fine sand		Other 🚨
F. Fine sand, top ft. MSL or	350 J J J J J J J J J J J J J J J J J J J	7. Fine sand	material: Materiacurer, produ E	ct unue and weigh zine
G. Filter pack, top _ 232 8 ft. MSL or Q 2	9.0 0	Volume ad		•
•		8. Filter pack	material: Manufacturer, produ	
H. Well screen, top _ 7760 ft. MSL or 09	[5.3]	CSS:		# 4
266 A B MSI ~ 10	C V A	Voiume at 9. Well casin		chedule 40 🔲 23
L Well screen, bottom _ 2440 ft. MSL or 10		7. Well Case		chedule 80 E 24
I. Filter pack, bottom _ 341 & ft. MSL or //	000	\		Other 🗖 🚉
2416		10. Screen ma	perial: SCU 80 MC	4" DAM
K. Borehole, bostom _ 361.8 ft. MSL or //	2.0 0	Screen typ		Factory cut 🖾 1 1
- 4 -		3	Con	innous slot 🔲 0 i
L. Borehole, diarneter 01.0 in.		\	- Mado Elex	Other 🛚 🛴
		Manufacua Slot size:	THE MONOFIET	60 QQLQ in.
M. O.D. well easing 04.25 in.	•	Slotted let	neth:	10.00 to
N. LD. well casing 03.75 in.		1	naterial (below filter pack):	None II
to the same A.T.T. Sp.	_			Other □
I hereby certify that the information on this	form is true and co	rrect to the best of n	ny knowledge.	
Simon 210 A A	From 10			

•	•			· ·	
State of Wisconsin Department of Natural Resources			ONITORING WELL CONSTRU rm 4400-113A	8-89	
Facility/Project Name	Gnd Location	<u> </u>	Weil Name		
Bedger draw Amountions Plant	4.803.845.3	# ft ⊠ N □ S.	RPM-89-01		
Facility License, Permit or Monitoring Number	379.502.4	_ fr. 🖪 E. 🗆 W.	Wis. Unique Well Number	DNR Well Nu	ent
1/// 10 11 12 11 11 11 11 11 11 11 11 11 11 11	Section Location		Date Well Installed	46189	
Piezometer 12	1/4 of 1/4 o	f Section	mm	विव ए ए	
Distance Well Is From Waste/Source Boundary	T N, R 🗆	E 🗆 W	Well Installed By: (Person's N		
Is Well A Point of Enforcement Std. Application?	Location of Well Relative to	Waste/Source	Jim Bus / E.C.	Jorden C	<u>.o</u>
Yes R No	•	Not Known			
A. Protective pipe, top elevation _288.83 ft.		1. Cap and k	ock?	A Ye 🗆	N
		2. Protective			
B. Well casing, top elevation _228.65 ft.	MSL THE	a. Inside di	ameter:	_6.	Qi
C. Land surface elevation _ 226.2 f	MSL	b. Length:		-2.0	_
D. Surface seal, bottom ft. MSL or	_ n_ ==================================	c. Materia	Ŀ	Steei 2 5 Other □	U4
12. USCS classification of soil near screen:		d Adding	nal protection?		No.
	/ / WIN	If yes, o	lescribe: 4 bucking foots a		
S SM D SC DML DMH D CL D CH		1 1	-	Bentonite	30
☐ Bedrock	\	3. Surface sea	ul:	Concrete	0
13. Sieve analysis attached? Yes N	· \	\	Gout	Other 🖾	
14. Drilling method used: Rotary 🖾 5	o \	4. Material be	erween well casing and protective	pipe:	
Hollow Stem Auger 4	1			Bentonite 🛘	3 0
Deil Though Casing Other 1	<u> </u>	/		space seal	
1 T 1 T 1 T 1 T 1 T 1 T 1 T 1 T 1 T 1 T		<u> </u>	prost	Other 🗖	==
15. Drilling fluid used: Water 0 0 2 Air 0 0 0 Drilling Mud 0 0 3 None 0 9		5. Armular sp		r Bentonite	
Drimme wood [102] Mode [2]			s/gal mud weight Bentonite-		
16. Drilling additives used? Yes No			s/gal mud weight Bento Bentonite Bentonite-ce		50
			Demonite Bemonite		30
Describe		How instal		Tremie 🗆	0:
17. Source of water (attach analysis):			Tremi	ie pumped	02
1 20 #2				Gravity 🗆	80
		6. Bentonite :	Bentonii	te granules 🔲	3.7
E. Bentonite seal, top _ 291 2 ft. MSL or _ 95	Of the		in. \$\omega_3/8 in. \$\omega_1/2 in. Bento:	nite pellets	31
		/		Other 📮	
F. Fine sand, top	k_ ft_ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		material: Manufacturer, product	name and mesh	h size
G. Filter pack, top _ 286.2 ft. MSL or 100	3.6 // 用即	Volume ad	material: Manufacturer, produc	t name and mesi	h siz
H. Well screen, top _ 7 & 1 .4 ft. MSL or 104	· 8 元		- Weging Special Filler		.,
II. Wei sacou, up		Volume ad		<u></u>	
I. Well screen, bottom _ 7 G 1 9 ft. MSL or 1 2 5	13 m	9. Well casin		nedule 40 🔲	23
			Flush threaded PVC sci	nedule 80 🖪	24
J. Filter pack, bottom _ 260.2 ft. MSL or [36	e.o h	` —		Other 🗖	
0.50 7 6 200 1.20			erial: Schalle 80 PUC		
K. Borehole, bottom _ 259.2 ft. MSL or 129	1.0 m	Screen typ		Factory cut 🔯	11
L. Borehole, diameter 9 5 in.			Comu	Other	0 1
L. Borehole, diameter _ 9.5 in.	`	Manufactur	Manoflex	002	
M. O.D. well casing _45_ in.		Slot size:		0.01	
		Slotted len	gth:		. S fL
N. LD. well casing _ 4.Q _ in.		11. Backfill m	merial (below filter pack):	None 🗆	
			- led - in Specify Filler S	مخ Other قل	45
I hereby certify that the information on this		t to the best of m	y knowledge.		
Signature () D ()	Firm C	(11)			

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

OVERBURDEN MONITORING WELL SHEET

PROJECT BAAP PROJECT NO 1249 ELEVATION FIELD GEOLOGIST	DRILLING A	They M. Tinner
GROUND ELEVATION 3.4	STICK - UP TOP OF SURFACE CASING STICK - UP TOP OF SURFACE CASING. STICK - UP RISER PIPE: TYPE OF SURFACE SEAL: CONCRETE	2.8
Note: RPM-89-01	Collar w/ Gone Part DO CESURFACE CASING 5/7 in TYPE DE SURFACE CASING Jocking Steel protector casing. TYPE DE RISER PIPE School BO PVC	
and RPM-89-02 locations interchange From Sampline, Dosign Plan.		_ _ out.
WL= 109.7 St 1365	TYPE OF SEAL: Bentonite Pelleta	95.44 - 100.54
·	SLOT SIZE & LENGTH 20 St 0.0/ in	104.8 5+
	TYPE OF SAND PACK: Mevamer abring Specially Filter Sands	<u>PE</u>
	ELEVATION DEPTH BOTTOM OF SAND PACK TYPE OF EACKFILL BELOW CESERVATION WELL Mevames Chrysor Specialty Siltor Sand	1275+

State of Wisconsin			МО	NTTORING WELL CO	INSTRUCTION		
Department of Natural Resources				1400-113A	5-39		
Facility/Project Name	Grid Location	M	1	Veil Name	\		
Bedaer Arm Ammilians Plant	4 803,851	<u>,0</u>		RPM- 89-03	(
Facility License, Permit or Monitoring Number	279,100.	8 7 21	E. 🗆 W. 📗	Wis. Unique Well Num	iber DNR Wel	ii vun	ì
Type of Well Water Table Observation Well 11	Section Location			Date Well Installed		-	-
Piezometer 212	1/4 of	1/4 of Section	\		<u> </u>	. Z	
Distance Well Is From Waste/Source Boundary	T N.R	DEDW	ſ	Well Installed By: (Pe			
NA ft.	Location of Well Rei	uve to WasterSource	že.	Jim Buss /	L. C. Jordan	<u>v (°</u>	_
Is Well A Point of Enforcement Std. Application? Yes No	Upgradient Downgradie	Sidegradi					_
A. Protective pipe, top elevation 824.15			Cap and loc	k?	☑ Yes		Ĺ
600.01		2	Protective c	• •		, -	
•	\$	HIZ	a. Inside dia	neiet.		-6.Q	
C. Land surface elevation _ 223	f MSL		b. Length: c. Material:		Steci	_2.0	'n
D. Surface seal, bottom ft. MSL or	r_ 	N. Control	C Ivianci int.		Other	=	_
12. USCS classification of soil near screen:		化 类型	d. Additions	d protection?	Yes		ř
GP GM GC GGW GSW GSP	/ / !!		If yes, de	scribe: 4 bucking	ct _∞		
B SM D SC DML DMH D CL D CH	/ /	3.	Surface seal	:	Bentonite	=	-
13. Sieve analysis attached? Yes	vr \		6	· +	Concrete	_	0
14. Drilling method used: Rotary	\ <u>**</u>		Material bet	ween well casing and p	Other	₩ .	-
14. Drining method used. Hollow Stem Auger			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Bentonite		3
	<u> </u>			٠ ١	Annular space seal		
	1 88			tuck	Other		:
15. Drilling fluid used: Water 0 0 2 Air 2 Drilling Mud 0 0 3 None 0		5.	Annular spe		Granular Bentonia		
Dimmig Med (103 Note 1	´´			gal mud weight B			, 3
16. Drilling additives used?	No			/gal mud weight Bentonite Ben			, 5
			7 360 8	volume added for	or any of the above		•
Describe	🔣		How installe		Tremie		0
17. Source of water (attach analysis):					Tremie pumped		0
YW 32 2					Gravity		0
0.6		6.	Bentonite se		Bentonite granules		3
E. Bentonite seal, top _ 191.0 ft. MSL or _ 8	. ₹ . 5 tr		∐1/4 ir	L ⊠ (3/8 in. □ 1/2 in			3
F. Fine sand, top NA ft. MSL or) ft ft.	7.	Fine sand m	aterial: Manufacturer			i
				<u> </u>		_	
G. Filter pack, top _ 1 & O ft. MSL or _ 2	7.0 m		Volume add	xi <u>NP</u> naterial: Manufactures	_ft ³	mesh	•
H. Well screen, top _ 180.2 ft. MSL or _ 9	2.3 1	E / "		c berrar See			-
			Volume add		ħy	-	
I. Well screen, bottom _ 161 } ft. MSL or 11	1.8 m	9.	Well casing		PVC schedule 40	_	
050 ~ 100				Flush threaded	PVC schedule 80		2
J. Filter pack, bottom _ 758.0ft. MSL or 11	3 'S L		S	rial: Schedule 80	Other	u .	-
K. Borehole, bottom _ 258.0 ft. MSL or 11	50 m	10.	Screen mate Screen type:		Factory cut	121	ī
15. Poloninal commit was a min and a de-	··· \				Continuous slot		- 0
L. Borehole, diameter _ 1 5 in.					Other		_
		\		Mono flex		. Q <u>1</u> <u>C</u>	~:
M. O.D. well casing _4.5_ in.		\	Slot size: Slotted leng	th:	U	19.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

Firm

E.C. Joseph Co.

4.D

N. LD. well casing

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

11. Backfill material (below filter pack):

Other

OVERBURDEN MONITORING WELL SHEET

PROJECT BAAP PA PROJECT NO 6049: ELEVATION FIELD GEOLOGIST	BOR DAT	ATION Rocket Parte ING RPM-89-02 E_10/1=/89	DRILLER MAX DRILLING METHOD TH- DEVELOPMENT METHOD	-60
GROUND ELEVATION WL=96.2'8GS Note offer install Note: Fractions RPM-89-02 and RPM-89-01 locations interchanged Soon Simpling design plan.		TYPE OF SEALS DENTONIES TYPE OF SEALS DENTONIES TYPE OF SEALS DENTONIES TYPE OF SEALS DENTONIES TYPE OF SCREEN School SLOT SIZE & LENGTH 20 TYPE OF SAND BACK: Mera Specially Sands: EVENTON DEPTH BOTTOM TYPE OF BACKFILL BE, OVICE WELL Silver Sands	ASING. ASING. ASING. ACRES CANDY ALLES OF CASING ALLES OF CASING ALLES OF CASING ALLES OF CASING ALLES OF CASING ALLES OF CASING ALLES OF CASING ALLES OF CASING ALLES OF CASING ALLES OF CASING OF SCREEN: OF SCREEN: OF SAND PACK	82 51 87 51 9 2 -3
		OF HCLE		# 1/3

State of Wisconsin Department of Natural Resources			ONITORING WELL CONSTI rm 4400-113A	RUCTION 8-89
Facility/Project Name	Grid Location	•	Well Name	
Backer Arm Amountions Plant	4.804.671.6		NPM-89-01	
Facility License, Permit or Monitoring Number	1 - /		Wis. Unique Well Number	DNR Well Numi
	379,174.7	# ZE. [W.		
Type of Well Water Table Observation Well 20 11	Section Location		Date Well Installed	20.50
Piezometer 12	1/4 of 1	/4 of Section .	1	7 2 5 7 5 9
Distance Well Is From Waste/Source Boundary			Well Installed By: (Person's	Name and Firm)
NA ft.	TN, R	DEOW	Dave Below / E.	Jorden Co
Is Well A Point of Entorcement Std. Application?	Location of Well Relative Upgradient	Sidegradient		
☐ Yes ☐ No	Downgradient	□ Not Known		
A. Protective pipe, top elevation _ 263.03		1. Cap and k	xck?	Z Ys 🗆 N
C/2 2 2 0 1	77	2. Protective	- -	4
	1	a. Inside di		-ē∵ō≀
C. Land surface elevation £61.5	F MSL	b. Length:		_2·Q:
D. Surface seal, bottom ft. MSL or	ft.	c. Materia	1:	Sizel 🖸 04
			. 1	
12. USCS classification of soil near screen:	1 400	a. Addino	nal protection? lescribe: 4 bucking post	¥s □ Nr
	/ /	R/ nast	escribe: 1 Ducking Cont	<u> </u>
D Bedrock	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	3. Surface se	ul:	Bentonite 1 30
13. Sieve analysis attached?	. <u>.</u> \		· •	Concrete 0
	\ <u>1928</u> 1 1	*	Just	Other 🔯 _
14. Drilling method used: Rotary	\ DC1	*4. Material b	etween well casing and protecti	
Hollow Stem Auger	\ M4 I			
Dell Thomas casing Other D			Arent	lar space seal []
15. Drilling fluid used: Water [] 02 Air	01		ou\	Other 33
Drilling Mud 1 03 None 1	1 2001 1	5. Armular sy		The Delimination
Dimensional Co. 1 sets =			x/gal mud weight Bentoni	
16. Drilling additives used?	√ 6 ⊠		os/gal mud weight Ber b Bentonite Bentonite-	
			bentonite Bentonite-	
Describe		How instal		Tremie 🔲 0
17. Source of water (attach analysis):				mis pumped 2 02
\$12 \$ 2				Gravity 🔲 0
			. D	
002 5 /		6. Bentonite	_	nite granules [] 3
E. Bentonite seal, top _ 292 . 5 ft. MSL or _ 6	1.2 tc		in. \$\frac{1}{2}3/8 in. \$\Begin{array}{c} 1/2 in. Ben	
1 114 6 1401 d') A C 🗎	2 500 0004		Other 📙
F. Fine sand, top ft. MSL or	u	/. Fine sand	material: Manufacturer, produ	uct name and mesh siz.
G. Filter pack, top 2825 ft. MSL or 2		3 /	ded NA ft3	
G. Filter pack, top _ 2 8 2 .5 ft. MSL or _ 2	1.5 . 1		material: Manufacturer, prod	har name and much sir
H. Well screen, top 782 5 ft. MSL or _]	90 %	<u> </u>		
H. Well screen, top _ 1 2 1 5 R. MSL or _ 1	1.2	Volume ad		F145-002
I. Well screen, bottom _ 262 5 ft. MSL or _ 9	0 ^ 6.	9. Well casir	••	schedule 40 🔲 23
I. Well screen, concom _ I & & G I II Man of _ I	7.5 //	3, wen cash	Flush threaded PVC	
I. Filter pack, bottom _ 761 5 ft. MSL or 10	O O fr		.,,	Other 🗆
1. Filler pack, double _ 14 t . 4 to 1955 of 19	2.0	10 5	perial: 5 dardule 80 PUC	
K. Borehole, bottom _ 250. In MSL or 11	(O ft.	Screen typ		Factory cut 🖾 11
A. Dorenois, outbin 12 E . E . II Mod of L 1	- · · · · · · · · · · · · · · · · · · ·	a scientiff		ntinuous slot 🔲 0 i
L. Borehole, diameter 95 in.		24		Other D
L. Borehole, diameter _ 9.5 in.		Mamifector	mer Monofler	
M. O.D. well casing _450 in.		Slot size:	·	0. OLQir.
M. O.D. went control _ 1 . V 2		Slotted len	igth:	20_0 ft.
N. LD. well casing _ Y O _ in.		1	aterial (below filter pack):	None None
11. 11. Well comme _ 3.5 _ II.				Other
I hereby certify that the information on this	form is true and co	rect to the best of m	v knowledge.	
Signature / / // // //	Fam	- A /	<u> </u>	
11/13/	1 E.C.	Jordan Lo.		

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

APPENDIX C - 1 WELL DE L INFORMATION SHEET

	JOB NO. OB-P No. 65283
पाना । । । । Elev.	BORING NO. NAN 8101 A DATE 2-9-82
	CHIEF R.F. Sarko and Associates Inc
	LOCATION New Acid Area - Synthetic Acid Plant
	All depth measurements of well detail to be from ground syrface.
	DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 141.50 FEET.
	2 DEPTH OF BOTTOM OF SEAL (if installed) 126.50 FEET.
	3 DEPTH TO TOP OF SEAL (if installed) 0.00 FEET.
	4 LENGTH OF PVC WELL SCREEN, 10.0 FEET. 10.0 FEET SLOTTED
	5 TOTAL LENGTH OF PIPE 135.05 FEET 0 4.0 IN. DIAMETER.
	TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel.
3	7 CONCRETE CAP. YES NO (Circle One)
	8.) HEIGHT OF WELL CASING ABOVE GROUND 3.50 FEET.
2	9 PROTECTIVE CASING? YES NO (Circle One) HEIGHT ABOVE GROUND 3.50
4	LOCKING CAP? (YES) NO (Circle One) TYPE OF BACKFILL: Bentonite
	THICKNESS OF GRAVEL PACK OFEET.
	DEPTH TO FIRST COUPLING 15.0 FEET (TOC) COUPLING INTERVAL 20.0 FEET.
CAVE IN TERIAL	TOTAL DEPTH OF BOREHOLE 143.00 FEET. GROUNDWATER
	BORING # DATE TIME DEPTH TO WATER ELEVATION
13)	Stabil zed 131.50 780.32
.F. SARKO AND ASSOCIATES,	INC.
onsulting Engineers 104 King Street	
Madison, Wisconsin 53703	· •

APPENDIX C - 2 ELL DE LINFORMATION SHEET

~	JOB NO. 03-P No. 65283	
51	BCRING NO. NAN 8101 D	
	911.72 DATE 2-9-82 CHIEF R.F. Sarko and Associates, Inc.	
9	CHIEF R.F. Sarko and Associates, Inc. LOCATION New Acid Area - Synthetic Acid Plant	
8	All depth measurements of well detail to be from ground surface.	
2	DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 166.50 FEET.	
	2 DEPTH OF BOTTOM OF SEAL (if installed) 156.50 FEET.	
5	3 DEPTH TO TOP OF SEAL (if installed) 0.00 FEET.	
	LENGTH OF PVC WELL SCREEN, 5.0 FEET. 5.0 FEET SLOTTED	
	5 TOTAL LENGTH OF PIPE 164.00 FEET 0 4.0 IN. DIAMETER.	
	TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel	
3	7 CONCRETE CAP. <u>YES</u> <u>NO</u> (Circle One) 8. HEIGHT OF WELL CASING ABOVE GROUND	
	8.) HEIGHT OF WELL CASING ABOVE GROUND 2.50 FEET.	
	9 PROTECTIVE CASING? <u>YES</u> <u>NO</u> (Circle One) HEIGHT ABOVE GROUND <u>2.50</u> LOCKING CAP? <u>YES</u> <u>NO</u> (Circle One)	
	10) TYPE OF BACKFILL: Bentonite	
	11 THICKNESS OF GRAVEL PACK 0.0 FEET.	
	DEPTH TO FIRST COUPLING 4.0 FEET (TCC) COUPLING INTERVAL 10.0 FEET.	
MATERIAL MATERIAL	13 TOTAL DEPTH OF BOREHOLE 172.00 FEET. GROUNDWATER GROUNDWATER	
	BORING # DATE TIME DEPTH TO WATER ELEVATION	
12)	Stabilized 155.75 Piezometer	
R.F. SARKO AND ASSOCIATES, Consulting Engineers 104 King Street	, INC.	
Madison, Wisconsin 53703		

APPENDIX C - 3 WELL D' ALL INFORMATION SHEET

	JOB NO. OB-P No. 65283 BORING NO. NAM 8102 B
Elev	914.34 UNIE 2-9-82
	CHIEF R.F. Sarko and Associates, Inc. LOCATION New Acid Area - Synthetic Acid Plant
8	All depth measurements of well detail to be from ground syrface.
	DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 145.00 FEET.
	2 DEPTH OF BOTTOM OF SEAL (if installed) 130.00 FEET.
(5)	3 DEPTH TO TOP OF SEAL (if installed) 0.00 FEET.
	LENGTH OF PVC WELL SCREEN, 10.0 FEET. 10.0 FEET SLOTTED
	5 TOTAL LENGTH OF PIPE 137.00 FEET 0 4" IN. DIAMETER.
	TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel
	7 CONCRETE CAP. YES NO (Circle One)
	8.) HEIGHT OF WELL CASING ABOVE GROUND 2.0 FEET.
	9 PROTECTIVE CASING? <u>YES</u> <u>NO</u> (Circle One) HEIGHT ABOVE GROUND 2.0 LOCKING CAP? <u>YES</u> <u>NO</u> (Circle One)
(4);••••••••••••••••••••••••••••••••••••	10) TYPE OF BACKFILL: Bentonite
	THICKNESS OF GRAVEL PACK 0.0 FEET.
	DEPTH TO FIRST COUPLING 7.00 FEET (TO COUPLING INTERVAL 10.0 FEET.
LAVE IN	13 TOTAL DEPTH OF BOREHOLE 149.00 FEET. GROUNDWATER
*\TERIAL	BORING # DATE TIME DEPTH TO WATER ELEVATION
13	Stabilized 134.38 780.16
R.F. SARKO AND ASSOCIATES, Consulting Engineers	INC.
104 King Street	

APPENDIX C - 4

ELL DE L INFORMATION SHEET

_	JOB NO. OB-P No. 65283
	BORING NO. NAN 8103 B
1-111 · Elev9	
	CHIEF R.F. Sarko and Associares, Inc.
	LOCATION New Acid Area - Synthetic Acid Plant
- (8)	All depth measurements of well detail to be
	from ground syrface.
7	(1) DEPTH TO BOTTOM OF WELL POINT OR
	SLOTTED PIPE 145.00 FEET.
	O DESTRUCT POTTON OF SEAL ASS AND AND AND AND AND AND AND AND AND AND
	2) DEPTH OF BOTTOM OF SEAL (if installed)
	130.00 FEET.
	(3) DEPTH TO TOP OF SEAL (if installed)
(5) .	0.00 FEET.
	(4) LENGTH OF PVC WELL SCREEN,
	10.00 FEET. 10.00 FEET SLOTTED
- 10)	(5) TOTAL LENGTH OF PIPE 137.00 FEET
	Q 4.0 IN. DIAMETER.
	(.6) TYPE OF FILTER MATERIAL AROUND WELL
	POINT OR SLOTTED PIPE Pea Gravel .
	(7) CONCRETE CAP. (YES) NO (Circle One)
(3)	
	(8.) HEIGHT OF WELL CASING ABOVE GROUND
	FEET.
± _ (2)	9 PROTECTIVE CASING? (YES) NO (Circle One)
	HEIGHT ABOVE GROUND 2.0
	LOCKING CAP? (YES) NO (Circle One)
(4)	
	(10) TYPE OF BACKFILL: Bentonite
	11) THICKNESS OF GRAVEL PACK 0.0 FEET.
■ し際間刻	11) THICKNESS OF GRAVEL PACKFEET.
(xxxx (1)	12) DEPTH TO FIRST COUPLING 17.0 FEET (TOC)
	COUPLING INTERVAL 20.0 FEET.
CAVE IN SECOND	
CAVE III'S	(13) TOTAL DEPTH OF BOREHOLE 149.00 FEET.
MATERIAL XXX	BORING # 1 DATE 1 TIME 1 DEPTH TO WATER 1 ELEVATION
	BORING # DATE TIME DEPTH TO WATER ELEVATION
,	
	125.00 700.00
13)————————————————————————————————————	Stabil zed 135.00 780.06
L	
R.F. SARKO AND ASSOCIATES,	INC.
Consulting Engineers	
104 King Street Madison, Wisconsin 53703	

APPENDIX C - 5 LL DET INFORMATION SHEET

					•	JOB ! BORI!	NO. OB-I	No. 65283		
	T		Mr.	Elev	915.11	DATE CHIEF	2-9- R.F	82 Sarko and	Associates	— Inc
					LOCATION_	New Aci	d Area - S	Synthetic A	cid Plant	
ب ب	(3)					ll depth me rom ground		s of well	detail to b	e
	22	= =				DEPTH TO B	OTTOM OF I	HELL POINT	OR FEET.	/
	·			•	2	DEPTH OF 8	OTTOM OF S		nstalled)	75/2
[5 (5)		- - -		٠	3	DEPTH TO T	OP OF SEAL	. (if insta FEET.	alled)	
		- - - -	-		4	LENGTH OF	PVC WELL S	CREEN,	SLOTTED	-/- \
		- - - - -		10	5	TOTAL LENG				1995 C
		10000			(5)	TYPE OF FI POINT OR S				16/7.
		0		3	7	CONCRETE C	AP. YES	<u>00</u>	(Circle One	2) 77
				\sim	(8.)	HEIGHT OF		G ABOVE GR	ROUND	ا میسر • استان ا
k .	T			2)	9	PROTECTIVE HEIGHT ABOUT LOCKING CA	VE GROUND	1.96	O (Circle) (Circle	•
	4			(6)	(10)	TYPE OF BA	CKFILL:	-		
		0			(11)	THICKNESS	OF GRAVEL	PACK	0.0	
Ì	<u> </u>		× ×	(1)	12	DEPTH TO F				From FEET (TOC) FEET.
<u>.</u>	E IN		시 ()		. 13	TOTAL DEPT	OF BOREH	OLE1	74.00 GROUND	FEET.
	RIAL				BORIN	G # ! DATE !	TIME DEP	TH TO WATE		
Ė		XX								•
3)—				•	Sta	bilized ·		134.66	Piezom	eter
		· ·	; •							
4	F. SARK				INC.					
1	onsulting 04 King	g Eng S tree	ineer t	's		[_[1 :		1	
. Y	adison, k	Visco	nsin	53703°						

APPENDIX C - 6

ELL DE 💁 INFORMATIO	ON SHEET
---------------------	----------

BCRING NO. MAN 8104 B DATE 2-9-82 CHIEF R.F. Sarko and Associa CHIEF R.F. Sarko and Associa New Acid Area - Synthetic Acid Plann All depth measurements of well detail to from ground syrface. 1 DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE L54.85 FEET. 2 DEPTH OF BOTTOM OF SEAL (if installed) 139.85 FEET. 3 DEPTH TO TOP OF SEAL (if installed) 139.85 FEET. 4 LENGTH OF PVC WELL SCREEN, 10.0 FEET. 10.0 FEET. 10.0 FEET. 10.0 FEET. 10.0 FEET. 10.0 TOTAL LENGTH OF PIPE 147.85 FEET (a IN. DIAMETER. 6 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE PEA GRAVE! 7 CONCRETE CAP. YES NO (Circle On 3.0 8 HEIGHT OF WELL CASING ABOVE GROUND 3.0 7 PROTECTIVE CASING? HEIGHT ABOVE GROUND 13.0 10 TYPE OF BACKFILL: Bentonite 11 THICKNESS OF GRAVEL PACK 11 DEPTH TO FIRST COUPLING 12 DEPTH TO FIRST COUPLING 12 DEPTH TO FIRST COUPLING 18	
CHIEF R.F. Sarko and Associa New Acid Area - Synchetic Acid Plant All depth measurements of well detail to from ground syrface. 1 DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 154.85 FEET. 2 DEPTH OF BOTTOM OF SEAL (if installed) 139.85 FEET. 3 DEPTH TO TOP OF SEAL (if installed) 0.00 FEET. 4 LENGTH OF PVC WELL SCREEN, 10.0 FEET. 10 FEET. 10 TOTAL LENGTH OF PIPE 147.85 FEET 9 A IN. DIAMETER. 6 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel 7 CONCRETE CAP. YES NO (Circle Of Seet) 10 PROTECTIVE CASING ABOVE GROUND FEET. 2 PROTECTIVE CASING? HEIGHT ABOVE GROUND LOCKING CAP? TYPE OF BACKFILL: Bentonire 11 THICKNESS OF GRAVEL PACK 0.0	
All depth measurements of well detail to from ground syrface. 1 DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 154.85 FEET. 2 DEPTH OF BOTTOM OF SEAL (if installed) 139.85 FEET. 3 DEPTH TO TOP OF SEAL (if installed) 6 FEET. 4 LENGTH OF PVC WELL SCREEN, 10.0 FEET SLOTTED 10.0 FEET. 5 TOTAL LENGTH OF PIPE 147.85 FEET 9 4 IN. DIAMETER. 6 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel 7 CONCRETE CAP. YES NO (Circle OF MEIGHT ABOVE GROUND FEET. 9 PROTECTIVE CASING? YES NO (Circle OF MEIGHT ABOVE GROUND FEET. 10 TYPE OF BACKFILL: Bentonire 11 THICKNESS OF GRAVEL PACK 0.0	tes.
Trom ground syrface. 1 DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 154.85 FEET. 2 DEPTH OF BOTTOM OF SEAL (if installed) 139.85 FEET. 3 DEPTH TO TOP OF SEAL (if installed) 0.00 FEET. 4 LENGTH OF PVC WELL SCREEN, 10.0 FEET SLOTTED 10.0 FEET. 10.0 FEET. 10.0 FEET. 5 TOTAL LENGTH OF PIPE 147.85 FEET 9.4 IN. DIAMETER. 6 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel 7 CONCRETE CAP. YES NO (Circle Of Seed) 10.0 FEET. 9 PROTECTIVE CASING? YES NO (Circle Of Seed) 10.0 TYPE OF BACKFILL: Bentonite 10 TYPE OF BACKFILL: Bentonite	
DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 154.85 FEET. DEPTH OF BOTTOM OF SEAL (if installed) 139.85 FEET. DEPTH TO TOP OF SEAL (if installed) 0.00 FEET. LENGTH OF PVC WELL SCREEN, 10.0 FEET SLOTTED 10.0 FEET. TOTAL LENGTH OF PIPE 147.85 FEET N. DIAMETER. TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel TYPE OF WELL CASING ABOVE GROUND FEET. PROTECTIVE CASING ABOVE GROUND FEET. PROTECTIVE CASING ABOVE GROUND FEET. TYPE OF BACKFILL: Bentonite THICKNESS OF GRAVEL PACK 0.0	be
SLOTTED PIPE 154.85 FEET. 2 DEPTH OF BOTTOM OF SEAL (if installed) 139.85 FEET. 3 DEPTH TO TOP OF SEAL (if installed) 0.00 FEET. 4 LENGTH OF PVC WELL SCREEN. 10.0 FEET SLOTTED 5 TOTAL LENGTH OF PIPE 147.85 FEET 9 4 IN. DIAMETER. 6 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel 7 CONCRETE CAP. (YES) NO (Circle Or NEIGHT ABOVE GROUND 3.0 FEET. 9 PROTECTIVE CASING? HEIGHT OF WELL CASING ABOVE GROUND 10 TYPE OF BACKFILL: Bentonire 11 THICKNESS OF GRAVEL PACK 0.0	Ris
SLOTTED PIPE 154.85 FEET. 2 DEPTH OF BOTTOM OF SEAL (if installed) 139.85 FEET. 3 DEPTH TO TOP OF SEAL (if installed) 0.00 FEET. 4 LENGTH OF PVC WELL SCREEN, 10.0 FEET SLOTTED 5 TOTAL LENGTH OF PIPE 147.85 FEET 9.40 IN. DIAMETER. 6 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel 7 CONCRETE CAP. YES NO (Circle On S.0) 8 HEIGHT OF WELL CASING ABOVE GROUND FEET. 9 PROTECTIVE CASING? YES NO (Circle On YES) NO (CIRCLE ON YES) NO (CIRCLE ON YES	14:59
139.85 FEET. 3 DEPTH TO TOP OF SEAL (if installed) O, OO FEET. 4 LENGTH OF PVC WELL SCREEN, 10.0 FEET. 10.0 FEET SLOTTED 5 TOTAL LENGTH OF PIPE 147.85 FEET 9 A IN. DIAMETER. 6 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel 7 CONCRETE CAP. YES NO (Circle On Storm of St	
139.85 FEET. 3 DEPTH TO TOP OF SEAL (if installed) O OO FEET. 4 LENGTH OF PVC WELL SCREEN, 10.0 FEET. 10.0 FEET SLOTTED 5 TOTAL LENGTH OF PIPE 147.85 FEET 9 A IN. DIAMETER. 6 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE PEA GRAVE! 7 CONCRETE CAP. YES NO (Circle On Store of Sto	
10 10 10 10 10 10 10 10 10 10	-
10 10 10 10 10 10 10 10 10 10	
10 FEET. 10.0 FEET SLOTTED TOTAL LENGTH OF PIPE 147.85 FEET Q 4 IN. DIAMETER. 6 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel 7 CONCRETE CAP. YES NO (Circle On HEIGHT OF WELL CASING ABOVE GROUND FEET. 9 PROTECTIVE CASING? YES NO (Circle On HEIGHT ABOVE GROUND LOCKING CAP? 10 TYPE OF BACKFILL: Bentonite 11 THICKNESS OF GRAVEL PACK 0.0	
10.0 FEET. 10.0 FEET SLOTTED TOTAL LENGTH OF PIPE 147.85 FEET O	
9 A IN. DIAMETER. 6 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel 7 CONCRETE CAP. YES NO (Circle Of Street Cape of S	
11 O O O O O O O O O O O O O O O O O O	
POINT OR SLOTTED PIPE Pea Gravel CONCRETE CAP. YES NO (Circle Or 3.0 FEET. PROTECTIVE CASING? YES NO (Circle Or 4.1 NO) PROTECTIVE CASING? YES NO (Circle Or 4.1 NO) TYPE OF BACKFILL: Bentonire THICKNESS OF GRAVEL PACK 0.0	
7 CONCRETE CAP. YES NO (Circle On B. HEIGHT OF WELL CASING ABOVE GROUND FEET. 9 PROTECTIVE CASING? YES NO (Circle HEIGHT ABOVE GROUND LOCKING CAP? YES NO (Circle On Type Of BACKFILL: Bentonire Thickness Of GRAVEL PACK O.O	
9 PROTECTIVE CASING? VES NO (Circle Of HEIGHT ABOVE GROUND LOCKING CAP? 10 TYPE OF BACKFILL: Bentonire 11 THICKNESS OF GRAVEL PACK 0.0	
8. HEIGHT OF WELL CASING ABOVE GROUND 3.0 FEET. 9 PROTECTIVE CASING? YES NO (Circle HEIGHT ABOVE GROUND LOCKING CAP? 10 TYPE OF BACKFILL: Bentonire 11 THICKNESS OF GRAVEL PACK 0.0	ne)
9 PROTECTIVE CASING? (YES) NO (Circle HEIGHT ABOVE GROUND (YES) NO (Circle HEIGHT ABOVE GROUND (YES) NO (Circle HEIGHT ABOVE GROUND (YES) NO (Circle HEIGHT ABOVE GROUND (YES) NO (Circle HEIGHT ABOVE GROUND (YES) NO (Circle HEIGHT ABOVE GROUND (YES) NO (Circle HEIGHT ABOVE GROUND (YES) NO (Circle HEIGHT ABOVE GROUND (YES) NO (Circle HEIGHT ABOVE GROUND (YES) NO (Circle HEIGHT ABOVE GROUND (YES) NO (Circle HEIGHT ABOVE GROUND (YES) NO (Circle HEIGHT ABOVE GROUND (YES) NO (Circle HEIGHT ABOVE GROUND (YES) NO (Circle HEIGHT ABOVE GROUND (YES) NO (Circle HEIGHT ABOVE GROUND (YES) NO (Circle HEIGHT ABOVE GROUND (YES) NO (CIRCLE HEIGHT ABOVE GROUND (YES) NO	-
HEIGHT ABOVE GROUND 3.0 LOCKING CAP? TYPE OF BACKFILL: Bentonire THICKNESS OF GRAVEL PACK 0.0	
HEIGHT ABOVE GROUND 3.0 LOCKING CAP? TYPE OF BACKFILL: Bentonire THICKNESS OF GRAVEL PACK 0.0	a One
10 TYPE OF BACKFILL: Bentonite 11 THICKNESS OF GRAVEL PACK 0.0	
THICKNESS OF GRAVEL PACK 0.0	e One
THICKNESS OF GRAVEL PACK 0.0	
	FEET
TOVOVE A TOTAL THEFTH TO FIRST COURTING TO BE	-
COUPLING INTERVAL 20.0	FEET FEET
RIAL (13) TOTAL DEPTH OF BOREHOLE 161.0 GROUNI	FEET JWATE
BORING # ! DATE TIME DEPTH TO WATER ELEVA	
	•
Stabilized : 145.00 780.	11
.F. SARKO AND ASSOCIATES, INC.	
onsulting Engineers -	
4 King Street dison, Wisconsin 53703	

APPENDIX C - 7 INFORMATION SHEET ILL DET JOB NO. OB-P No. 65283 BORING NO. NAN 8104 C · Elev. 924.80 DATE 2-9-82 CHIEF R.F. Sarko and Associates, Inc. LOCATION New Acid Area - Synthetic Acid Plant All depth measurements of well detail to be from ground surface. Riser 925.25 DEPTH TO BOTTOM OF WELL POINT OR -172.15 SLOTTED PIPE 175.17 FEET. DEPTH OF BOTTOM OF SEAL (if installed) 165.17 FEET. DEPTH TO TOP OF SEAL (if installed) 1 7 =50.57 0.00 . FEET. LENGTH OF PVC WELL SCREEN,

5.0 FEET. 5.0 FEET SLOTTED 10 TOTAL LENGTH OF PIPE 172.17

@ 4.0 IN. DIAMETER. TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel CONCRETE CAP. (Circle One) HEIGHT OF WELL CASING ABOVE GROUND FEET. YES) PROTECTIVE CASING? NO (Circle One) HEIGHT ABOVE GROUND NO (Circle One) LOCKING CAP? TYPE OF BACKFILL: Bentonite THICKNESS OF GRAVEL PACK ____O_O From FEET (TOC) DEPTH TO FIRST COUPLING ______2.17 COUPLING INTERVAL ____ 10.00 CAVE IN 13) TOTAL DEPTH OF BOREHOLE 178.00 GROUNDWATER MATERIAL BORING # 1 DATE I TIME | DEPTH TO WATER | ELEVATION Stabilized 144.58 Piezometer R.F. SARKO AND ASSOCIATES, INC. Consulting Engineers -104 King Street. Madison, Wisconsin 53703

State of Wisconsin Department of Natural Resources			ONITORING WELL CONSTR m 4400-113A	UCTION 8-89	
	Grid Location	M	Well Name		
Badger hope Amounitions Hant	4 806 289.5	# BN□S.	OPM-89-03		
Facility License, Permit or Monitoring Number	218 932.9		Wis. Unique Well Number	DNR Well Nur	miur.
Type of Well Water Table Observation Well 211	Section Location		Date Well Installed		
Piezometer 12 12		14 -6 0		144183	
Distance Well Is From Waste/Source Boundary	1/4 of1		m m Weil Installed By: (Person's I	dd v v	
NA n.	TN, R	DEOW	Dadie Glicksberg/		
Is Well A Point of Enforcement Std. Application?	Location of Well Relative Upgradient	to Waste/Source Sidegradient	Anna Crasserige	<u> </u>	<u></u>
☐ Yes 🛅 No	Downgradient	☐ Not Known			
A. Protective pipe, top elevation _ 229.92 f	L MSL	1. Cap and lo		V Ye 🖸	11
B. Well casing, top elevation _ 929.25 f	L MSL	2. Protective a. Inside di	• •	6.0	<i>ن</i> : و
C. Land surface elevation _ 929.2 f	MSL	b. Length:		-2.9	0
D. Surface seal, bottom ft. MSL or	n.	c. Material	•	Steel 💹 Other 🖸	04
12. USCS classification of soil near screen:		d Addition	nal protection?	Z Ye 🗆 1	NN
GP MIGM GC GW GSW MISP GSM GSC GML GMH GCL GCH		If yes, d	escribe: 4 bucking fort	5	
D SM DSC DML DMH DCL DCH		3. Surface sea	-	Bentonite 🛘	30
(. \	3. Juliac sei	·	Concrete 🖸	0 1
	~ \	*	Grant	Other 🔃	
14. Drilling method used: Rotary 22 5 Hollow Stem Auger 22 4	\ R21 R	*4. Malerial be	tween well casing and protective		3 ^ -
Oral Through casing Other 1			Armula Armula	Bentonite rspace seal	, -
	💹 🛭	_	Court	Other	_
15. Drilling fluid used: Water [] 02 Air [] 0 Drilling Mud [] 03 None [] 5		5. Arenular sp		r Bentonite	3 .
Summa Man Cl 03 Mole Cl		W	s/gal mud weight Bentonite		3
16. Drilling additives used?	6 💹 🖁	Lb	s/gal mud weight Benu Bentonite Bentonite-ce		3.7
		± 350 6	volume added for any o	f the shove	50
Describe	🔛 🛭	How install	ed:		0 C
17. Source of water (attach analysis):			Trem	ie pumped 🗵	02
			•	Gravity 🗖	0 ∿
		6. Bensonite s			3 3
E. Bentonite seal, top _276.2 ft. MSL or 12	2.0 ft 📓	□1/4 i	n. \$\overline{1}3/8 in. \$\overline{1}1/2 in. Bento	nite pellets 🔼	32
F. Fine sand, top	4 m	7. Fine sand n	naterial: Manufacturer, produc	Other 🔲	 cizSĽ
_		//	NA		30
G. Filter pack, top _ 791.2 ft. MSL or 13!		Volume add			
H. Well screen, top _ 2 85 2 ft. MSL or 14	25 %		material: Manufacturer, produc		, si s:
n. wei steet up		Volume add	e Warrior Specially F	Iter Junes	
I. Well screen, bottom _ 265 7 ft. MSL or 16	25 12	9. Well casing		hedule 40 🔲	23-
]	Flush threaded PVC sc	hedule 80 👸	2.2
J. Filter pack, bottom 2957 ft. MSL or 197	2.5 R		61 11 65 05	Other D	
K. Borehole, bottom _ ? 65.2 ft. MSL or 16		2	erial: Schoolie 60 Pu		
A. Borencie, bottom		Screen type			I 11
L. Borehole, diameter _ 9,5 in.		4	Cons	Other 🗓	0.0
		Mamufacture	Mona Cles		
M. O.D. well casing _ 4.50 in.		Slot size:		0.618	ا (داره
		Slotted leng		30	
N. LD. well casing _4.50 in.		`11. Backfill ma	terial (below filter pack):	None Other	
hereby certify that the information on this	form is true and corr	ect to the best of m	/ k.,owledge.		
Signature DA DC -	Fem			-	
at 7. loc	「「、し、」	ordan Co.			

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147. Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

	State of Wisconsin Department of Natural Resources			ONITORING WELL CONSTR rm 4400-113A	UCTION 8-89		
	Facility/Project Name	Grid Location		Well Name			
	Budger Army Ammunitions Plant	4.806.578.0	M M N □ S.	OPM-89-02			
	Facility License, Permit or Monitoring Number	279 241.0	Ø E. □ W.	Wis. Unique Well Number	DNR Wei	Nu	nber
	Type of Well Water Table Observation Well 1211	Section Location		Date Well Installed	10718	9	-
	Piezometer 12	1/4 of 1/4	4 of Section	mm	107/5	Ÿ	
	Distance Well Is From Waste/Source Boundary	TN, R	DE D W	Well Installed By: (Person's			1
	Is Well A Point of Enforcement Std. Application?	Location of Weil Relative	o Waste/Source	Nadia Glucksberg	<u> </u>	<u>dan</u>	٧٢٥
	Yes No	Upgradient Downgradient	Sidegradient Not Known				_
	A. Protective pipe, top elevation _ 229.61		1. Cap and k	ock?	Z Ys		
			2 Properties			_	
	B. Well casing, top elevation _ \$29.46	i. MSL	a. Inside d	iameter:		6.9	⊇in.
	C. Land surface elevation _822.6	MSL	b. Length:	}	-	.2.9	⊋ fr_
			c. Materia	Ŀ	Steel		04
	D. Surface seal, bottom ft. MSL or	7 - "			Other	_	
	12. USCS classification of soil near screen:	1 26.00	d Additio	nal protection?	Z Ye		No
		/ /	пуек	rescribe 1 Oceanna 19413	Bentonite	_	30
	□ Bedrock	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	3. Surface se	d:	Concrete		
	13. Sieve analysis attached?	vo \		Gout	Other		
	14. Drilling method used: Rotary 🖼	50 \ 👹 🖟	4. Material b	etween well casing and protective		_	
	Hollow Stem Auger	41 \		•	Bentonite		30
	Dail through cosing Other 1			•	ar space seal		
	<u> </u>		-	Grout	Other		
	15. Drilling fluid used: Water 02 Air		5. Armulæ sj		ler Bentonite		33
	Drilling Mud [] 03 None []	" 📓 🛭	u	bs/gal mud weight Bentonis	e-sand shurry	ם	35
	16. Drilling additives used?			bs/gal mud weight Ben & Bentonite Bentonite-			3 I 5 O
				volume added for any		-	30
	Describe	🔛 🛭	How instal		Tremie		01
	17. Source of water (attach analysis):		i	Trea	nie pumped	È	02
İ	PW #2		å	•	Gravity		08
		No. 500 411	6. Bentonite	seal: Bentot	nite ::anules		33
	E. Bentonite seal, top _ 194.6 ft. MSL or _ 9	3.0 fm 👹	01/4	in. 23/8 in. 11/2 in. Bent	onite pellets		32
			/		Other	_	
	F. Fine sand, top	停! 	7. Fine sand	material: Manufacturer, produ	ct name and	mesh	size
	000 (4.10)		Volume ad	NA ft ³		-	
	G. Filter pack, top _ 189.6 ft. MSL or _ 9	8.5 1	4 /	ded <u>NA</u> ft ^{.)} : maserial: Manufacturer, produ			
	H. Weil screen, top _ 1846 ft. MSL or _ 9	30 1		ur Warner Gerielle Fil			342
	M. Well screen, top			ided 2 28 ft	M DOMO	L	
	I. Well screen, bottom _ 264 6 ft. MSL or 11	30 kg	9. Well casir		chedule 40		23
			3	Flush threaded PVC s	chedule 80		24
	J. Filter pack, bottom _ 7 6 4 6tt. MSL or 11	3 D ft					
			10. Screen ma	serial: Schoolle 80 Pl		_	
	K. Borehole, bottom _ 2 \leq 1 .6 ft. MSL or 11	8.0 ir	Screen typ		Factory cut	_	11
				Con	kinuous slot	_	0 1
	L. Borehole, dismeter _9.5 in.		\ \	rer Monofler	Other	u	- -
	M. O.D. well casing _450 in.		Slot size:	IEI	o	. QL	Qin.
	VI. U.D. WELL CADING _ I. L. Z. Z. Z. Z.		Slotted lex	igth:			Qft.
	N. LD, well casing _ 4 Q Q in.		11. Beckfill m	sterial (below filter pack):	None		
Î					Other		
	hereby cartify that the information on this		rect to the best of n	ry knowledge.			
	Signature D / DQ /	Fam C/	- O- /				

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

State of Wisconsin Department of Natural Resources		MC For	NITORING WELL CONSTRUM 4400-113A	ICTION 8-39	
Facility/Project Name Ba Daer Arry Americans Plant Facility License, Permit or Monitoring Number	Grid Location 4 806, 289. 5 278, 932. 9	# BN□S.	Well Name OPM-89-03 Wis, Unique Well Number	DNR Well	Numi ·
Type of Well Water Table Observation Well 2 11 Piezometer 12	Section Location 1/4 of	Section	Date Well Installed	्र ^{व व} । ई	<u> </u>
	TN, R E Location of Well Relative to W Upgradient	asie/Source Sidegradient	Well Installed By: (Person's N Dedic Glecks berg /	ame and Fir	m) Denco
A. Protective pipe, top elevation _929.92 f	L MSL	1. Cap and loc 2. Protective of		Yes Yes	<u> </u>
B. Well casing, top elevation	1112	a. Inside dia b. Length:	• •	-	6.0
C. Land surface elevation		c. Material:		Steel Other	_
12. USCS classification of soil near screen: GP SIGM GC GW SW MSP SS GML MH GL GCH Bedrock		d. Additional If yes, de	al protection? scribe: 4 bucking Posts	El Yes Bentonite	D N
13. Sieve analysis attached?	ь \	3. Surrace sear	Gent	Concrete Other	
14. Drilling method used: Rotsry S 5 Hollow Stem Auger 4 Oct 1 Though Coling Other	A DOM MADE	4. Material bet	ween well casing and protective Annular		□ 3^
15. Drilling fluid used: Water 02 Air 20 Orilling Mud 03 None 29			gal mud weight Bentonite-s		
16. Drilling additives used?		= 350 cc	gal mud weight Bentonite cer Bentonite Bentonite cer volume added for any of	nent grout (the above	50
17. Source of water (attach analysis):		How installed		Tremie [pumped [Gravity [3 02
E. Bentomite seal, top _276.2 ft. MSL or 137	2.0 ft.	6. Bentonite se	. 月3/8 in. 🛛 1/2 in. Benton	e granules [ite pellets [Other [3 32
F. Fine sand, top NA _ ft MSL or _ D		7. Fine sand ma	Manufacturer, product		
G. Filter peck, top		Volume adde 8. Filter pack m	segial: Manufacturer, product	pame and m	iesh si
•		Volume adde	~ ~~~~~~~~~~~ ~~		
I. Well screen, bottom _ 265.7 ft. MSL or 16; J. Filter pack, bottom _ 265.7 ft. MSL or 16;		9. Well casing:	Flush threaded PVC scho Flush threaded PVC scho	edule 80	2.
K. Borehole, bottom _ 265.2 ft. MSL or 16:		_	ial: Schoole 80 PUC		
L. Borehole, diameter 9.5 in.		Screen type:		uctory cut [uous slot [Other [j 0:
M. O.D. well casing _950 in.		Manufacturer Slot size:	Mono Clex		21 Dii
N. LD. well casing 4.00 in.		Slotted length	n: rial (below filter pack):		Q. Oft.
I hereby certify that the information on this Signature	form is true and correct to	the best of my	knowledge.		

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147. Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

ABB Environmental Services, Inc.

MONITORING WELL CONSTRUCTION FOR:

Facility/Project Name	ind Location		Well Name	
BADGER AAP		ft 🗆 N. 🗆 S.	OAM-91-01	
Facility License. Famili of Months and Theorem		£. 🗆 E. 🗆 W.	Mrs. Curdne Mell Virmoet. DNY Mell Vi	umo
1,7,7000	SE 1/4 of NE 1/4	of Section 3	Date Well Installed /0/23/9/	
Distance Weil Is From WasterSource Boundary	T 10 N.R G	E = C W	Weil installed By: (Person's Name and Firm)	
Is Well A Point of Entorcement Sig. Application?	Ocanon of Weil desauve to Upgradien:		LAYNE ENIRONMENT	
A. Protective pipe, top elevation _ & ?? ?. L ? ft.	MSL	_1. Cap and lo		
B. Well casing top elevation \$77.04 ft.		2. Protective	cover pipe:	
C. Land surface elevation _875.1 f	11-11	a Inside di b. Length:	O6	D ft
D. Surface seal. bottom ft MSL or		c. Material	Steel 27 Other 1	
12. USCS classification of soil near screen:		d Addition	sal protection? EYE DESCRIPTION POSTS + CRAY PAR	
GP GM GC GW EZSW GSP GSM GSC GML GMH GCL GCH		If yes, d 3. Surface sea	d: Benronize 🗆	_3∈
13. Sieve analysis attached? Yes No	· \		Concrete III	U.
14. Drilling method used: Rocary 5 6 Hollow Stem Auger 5 4		4. Material be	rween well casing and protective pipe: Bentonite	 3∂
DUAL WALL OUT OF	\		Annular space seal	
15. Drilling fluid used: Warr 1702 Air 0	1	5. Annulær sp	Other C	3 :
Drilling Mud 🗆 03 None 🗆 9	9 🚟 🗒	ti	s/gal mud weight Bentonite-sand shurry	3 5
16. Drilling additives used? Yes Zino		_5 %	Bentonite Bentonite-cement grout	
Describe		150 How install	Ft ³ volume added for any of the above	
17. Source of water (attach analysis):		No- asan	ed: Tremie 🛘 Tremie pumped 🗍	
MODULA WELL # 2	🚆	_	Gang E	
E Bentonite seal, top _799 & ft. MSL or 275		6. Bentonite s	in. 🖂 3/8 in. 🖂 1/2 in. Bentonite pellets 📴	-3 :
F. Fine send, top ft. MSL or		7. Fine sand :	naterial: Manufacturer, product name and mesi 3 g	
G. Filter pack. top _775 / ft. MSL or Q ¥ 6	و مر	Volume add		ور.
H. Well screen, top _287 4 ft MSL or Q \$ 5		<u> css</u>		ut siz.
L Well screen, bottom _2796 ft. MSL or \$5		Voiume ad 9. Well casin	Flush threaded PVC schedule 40	
J. Filter pack, bottom _275.1 ft. MSL or 100	10 n		Flush threaded PVC schedule 80 DV Other D Derist: SCH 80 4" DVAm AVC	:
K. Borehole, bottom _ 275_1 ft. MSL or 100	2.0 0	10. Screen man Screen typ	E Factory cut 22	
L. Borehole, diameter 09.0 in.		\ ·	Continuous slot Other	0 i
M. O.D. well casing 24.25 in.		Manufactur Slot size: Slotted len		_ <u>ខ</u> ភេ. . ខ្ កែ
N. LD. well casing Q3.₹ € in.		•	uerial (below filter pack): None Other Other	
I hereby certify that the information on this		ect to the best of m		
Signature Mad & Market	ABB - C	ENVIRONTA	e Seev.	

State of Wisconsin Department of Natural Resources			ONITORING WELL CONSTI m 4400-113A	RUCTION 8-89		
Facility/Project Name	Grid Location	M	Well Name		7	5
Bodger Arm Angustion Plant	4,805,244,C		0AM-89-01			<u>'</u>
Facility License, Permut or Monutoring Number	276,076.2	77	Wis. Unique Well Number	DNR Well	Num'~	•
Type of Weil Water Table Observation Weil 20 11	Section Location		Date Well installed	\ / 2 7 / 8 n d d v	9	-
Piezometer 12	1/4 of 1/-	4 of Section	m n Well Installed By: (Person s	न विव ए	<u>~</u>	_
Distance Well Is From Waste/Source Boundary NA ft.	TN, R	DEDW	Newlie Glucks ber		m)	
Is Well A Point of Enforcement Std. Application?	Location of Well Relative Upgradient	Sidegradient	· ·]		
☐ Yes □ No	Downgradient Downgradient		E.C. Jordan	Ø. Yes	=	_
	L MSL	1. Cap and k		₩ 1e	U N	
B. Well casing, top elevation _ £74.35 f	L MSL	a. Inside di	• •	_	6.0	
C. Land surface elevation _872.2 f	· MSL	b. Length:		' Steel	2. <i>Q</i> Ø 6⊲	
D. Surface seal, bottom ft. MSL or	fr ()		···	Other	=	_
12. USCS classification of soil near screen:	1		nal protection?	Yes	□ N	
		If yes, c	tescribe 4 bucking Pos			
D Bedrock	/ / / / / / / / / / / / / / / / / / /	3. Surface se	ai:	Bentonite Concrete	=	,
13. Sieve analysis attached? Yes	.\	₩ \	Creat	Other	_	
14. Drilling method used: Rotsry	50	4. Material be	etween well casing and protect			
Hollow Stem Auger 24	\ 000 K			Bentonite	3 0)
Other 🗆	== \ 		Arms	ular space seal		
	,, 😹 🛭	-	GOUT	Other		-
15. Drilling fluid used: Water 202 Air 20 Drilling Mud 203 None 20	1000 100	5. Armular s		ular Bentonite		,
			os/gal mud weight Bentoni os/gal mud weight Ber			
16. Drilling additives used? Yes N	6) 🛗 🖟	<u> </u>	Bentonite Bentonite	-cement grout	E	,
			volume added for any			
Describe	-	How instal		Tremie		
PD # 2			Tre		02	_
_ the sed	== -J ⊠ ▮		•	Gravity	_ •	i
() > 2 4 1/01		6. Bentonite	**************************************	onite granules	_ ,	
E. Bentonite seal, top _ SDR 2 ft. MSL or _ 2	2.0 1.		in. 🗖 3/8 in. 🗖 1/2 in. Ber	Other		٠
F. Fine sand, top ft. MSL or ft.		7. Fine sand	material: Manufacturer, prod	iuct name and m	nesh si:	
G. Filter pack, top _ 1912 ft. MSL or _ 2	50 m	Volume ad	ided AVA ft ³		•	
		8. Filter pack	maserial: Manufacturer, prod	\sim \sim	•	
H. Well screen, top	5.3	Volume at		+ hother Sev	دلان	
I. Well screen, bottom _ 1 11 fr. MSL or 10	05 m	9. Well casir	ng: Flush threaded PVC			į
J. Filter pack, bottom _ 111 .1 ft. MSL or 12			Flush threaded PVC	schedule 80 Other	10 10 10 10 10 10 10 10 10 10 10 10 10 1	
J. Filter pack, bottom _ 1111.1 it MSL or 12		10. Screen ma	verial: School 80 (•
K. Borehole, bottom _ 110.2 ft. MSL or 10	2.2 ft.	Screen typ	x:	Factory cut	_	•
		3	Co	minuous slot	_ •	
L. Borehole, diameter _9.5 in.	-	Manufactus	rer Monofles	Other	u	-
M. O.D. well casing _4.50 in.		Slot size:			OLQ i	
		Sloved len	-	None 1	∐ }Ö.6≀	-
N. I.D. well casing _ 4.0 p in.		11. Backui m	aterial (below filter pack):	Other		
I hereby certify that the information on this		rect to the best of m	ny knowledge.			
Signature (/ // // C	Firm	70				

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

	State of Wisconsin Department of Natural Resources	-		MONITORING WELL CON Form 4400-113A	NSTRUCTION 8-89
	Facility/Project Name	Grid Location		Well Name	
	Badger Army Amounitions Plant	4.805.673.4	Z B N C	IS. OAM-89-C)a_
	Facility License, Permit of Monitoring Number	1		THE THE THE THE TANK	
		276,115.5	\$\bar{\bar{\bar{\bar{\bar{\bar{\bar{	We have a supplemental to the	
	Type of Well Water Table Observation Well [1]	Section Location		Date Weil Installed	1 24 . 25
	Piezometer 🗆 12	1/4 of1	/A of Section		<u> </u>
	Distance Well Is From Waste/Source Boundary			Well Installed By: (Per	son's Name and Firm)
	ALK.	T N, R	DEOW	Abdia Glucksbe	
	Is Well A Point of Enforcement Std. Application?	Location of Well Relative	to Waste/Source		-3
	☐ Yes ☑ No	Downgradient	□ Not Known	E.C. Jordan	Λ
				and lock?	Ø Yes □ No
	A. Protective pipe, top elevation _225.14 f			Lective cover pipe:	a
	B. Well casing, top elevation _ 274.91 f	ft. MSL	1 110	side diameter:	_6.0in
		1 [-		ength:	_1.0ft
	C. Land surface elevation _822.4 f	MSL	1 L	Asterial:	Steel 12 04
	D. Surface seal, bottom ft. MSL or	ft.	TERRIT C.	incial.	Other 🖺
				Adiain 1 manuary	
	12. USCS classification of soil near screen:	1 100		Additional protection? f yes, describe: 4 bucking	Z Yes □ No
	GP GM GC GW GSW SSP SM SC GML GMH GCL GCH	/ / /		Tyes, describe: 7 Duchas	PASTS 10
	Bedrock	/ /	3. Surf	ace seal:	Bentonite 30
	1	\			Concrete 0 1
	13. Sieve analysis attached?	\ 53	₩ \	Coract	Other 🗓
	14. Drilling method used: Rotary 🖸	\ 1001	\4. Mat	erial between well casing and pro	- · · ·
•	Hollow Stem Auger	41 \			Bentonite 30
	Other 🗆	 \ #	₩		Annular space seal 🔲
				Grout	Other 🐯
	15. Drilling fluid used: Water 02 Air		5. Aren		Granular Bentonite 🔲 33
N	Drilling Mud 🔲 03 None 🔯	99 📟	₩	Lbs/gal mud weight Ber	ntonite-sand shurry 🔲 35
7	ACTION DECISION OF THE	. 👹		Lbs/gal mud weight	Bentonite slurry 3 1
	16. Drilling additives used?	√ ₩	کــ	% Bentonite Bento	onite-cement grout 🗱 50
i			₩	volume added for	
	Describe	—— I 蹦	How	installed:	Tremie 🔲 01
	17. Source of water (attach analysis):				Tremie pumped 🔲 02
			*		Gravity 🔲 08
1			₩ 4 Ba-	tonite seal:	Bentonite granules 23
	E. Bentonite seal, top _ & 2 . 4 ft. MSL or _ 1	006	Ø / U. Dell	1/4 in. 3/8 in. 1/2 in.	
	E Bentonite seal, top _ 2 2 2 .1 it. MS2 of _ 1	5 3 11/ M		21/4 III. 23/6 III. 21/2 III.	Other
	Fine sand, top JA ft. MSL or N)u fr. 🔛	6. Ben	sand material: Manufacturer,	
	Fine sand, top ft. MSL or	₩.~ .~ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		NA Manuschier,	bloomer transe and mest area
	G. Filter pack, top 7914 ft. MSL or _ 1			43.4	ft ³
	G. Filter pack, top	* · · · · / 用	···· /	me added <u>IVP</u> rr pack material: Manufacturer,	••
	I Well screen, top 1924 ft. MSL or _ 9		1994 - A	i' i\ 🙍	
	i. Well screen, top _ 112.1 it. MSL or _ 1	Z.X		والمراجع والمستقل المستقل المتعال المتعال المتعال المتعال المتعال المتعال المتعال المتعال المتعال المتعال	edity tilber Sends
	I. Well screen, bostom _ 1724 ft. MSL or / o		: 2		PVC schedule 40 23
	I. Well screen, bottom _ 1 / a 4 it. Mist of 10	5.5	7. WE	•	PVC schedule 80 🖾 24
	000 40 300			Litter discount	
	. Filter pack, bottom _ 1 10 4 ft. MSL or 10	N.O. II.		61 01. 60	Other 🗆
	000 4 - 200 - 10			en material: Schedule 81	_
	" Borehole, bottom 120 4 ft. MSL or LQ	9.0 IL	Scn Scn	en type:	Factory cut 2 11
			3		Continuous slot 0 1
	L. Borehole, diameter _9.5 in.	.,			Other 🛚
	_			ufacturer Mono Flex	0.416'-
	1. O.D. well casing 4.50 in.		1	size:	0. Q1 Qir.
			\	ted length:	ମୃତ୍ର. ହୁଲ
-	N. L.D. well casing _4.00 in.		`11. Bac	kfill material (below filter pack):	
				Filter Sand	Other 🚨
	hereby certify that the information on this	form is true and co	rrect to the best	of my knowledge.	
	Signature () 1 () ()	Frem	A		
	Y. U.J. 134	I E. L.	Jordan	•	

lease complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

State of Wisconsin Department of Natural Resources			NITORING WELL CONSTI m 4400-113A	RUCTION 8-89
Facility/Project Name	Grid Location	41	Weil Name	
Badger Arm Amenitions Plant	4,805,592.7	Æ DIN. □ S.	FTM-89-01	
Facility License, Permit or Monitoring Number	22,061.9		Wis. Unique Well Number	DNR Well Numr
Type of Well Water Table Observation Well 11	Section Location		Date Weil Installed	
Piezometer 12	1/4 of 1/4 o	f Section .	<u> </u>	5 / 출 경 / 출 경
Distance Well Is From Waste/Source Boundary			Weil Installed By: (Person's	Name and Firm)
N/+	T N, R D	E D W	Nadia Glucksberg	E.C. Jorden
Is Well A Point of Enforcement Std. Application? Yes 10 No	☐ Upgradient ☐	Sidegradient Not Known	<u>Co.</u>	
A. Protective pipe, top elevation _ \$24.46		1. Cap and los		2q Yes □ Ni
B. Well casing, top elevation _ £2 £ . 2 2 !	t MSL	2. Protective of a. Inside dia	• •	_6.Qi
C. Land surface elevation _ 112.4	MSL	b. Length:		_2.©: Steed E 1 04
D. Surface seal, bottom ft. MSL or	n		•	Other 🔲 _
12. USCS classification of soil near screen:		d. Addition	al protection?	Yes D No
		If yes, de	escribe: 4 bucking pos	<u>ts</u>
D SM D SC DML DMH D CL D CH		3. Surface sea	i.	Bentonite 🛛 30
☐ Bedrock	. \	3.54.20		Concrete 0
13. Sieve analysis attached? Yes	1 60 600	\. 	المستح	Other 🖬 💆
14. Drilling method used: Rotzry		`4. Maienai be	tween well casing and protect	Bentonite 2 3 ^
Hollow Stem Auger Q	``\ 	,	Armu	dar space seal
		(5mx	Other II
15. Drilling fluid used: Water 🔲 02 Air 🚨	1 1000	5. Annular spe	ace seal: Gram	ular Bentonite 33
Drilling Mud 🖸 03 None 👨	99	•	s/gal mud weight Bentoni	pe-send shurry 🛮 🕡
16 Delline addition model Fl. Ver. Fl. Ver.	. 🛗 🛗		s/gal mud weight Be	
16. Drilling additives used?	*		Bentonite Bentonite	
Describe		E ACC A	volume added for any	
17. Source of water (attach analysis):		NOW HISCAN		Tremie 🔲 0 emie pumped 🗷 02
DW # 2				Gravity 🔲 02
		6. Bentonite se	eel. Rente	onite granules 🔲 3
E. Bentonite seal, top _ 803 1 ft. MSL or _ 6	936.	A	in. [24]3/8 in. 🗆 1/2 in. Ben	
	\ 💥 🖼	/		Other 🔲 🚆
F. Fine sand, top	Δ t. \	7. Fine sand n	Manufacturer, prod	uct name and mesh siz
G. Filter pack, top	4.0 1	Volume add	3.4	<u>- </u>
000 000		8. Filter pack	material: Manufacturer, prod	~ ı
H. Well screen, top _ 222.9 ft. MSL or _ 1	1.5	Mercaner Volume add	int 12 29 ft3	iller bends.
I. Well screen, bottom _ 222.9 ft. MSL or _ 9	2.5 m	9. Well casing	-	
			Flush threaded PVC	schedule 80 💆 2.
J. Filter pack, bottom _ 272 .4 ft. MSL or / &	0.0 ft	<u> </u>		Other 🛮 📋
0/0 44 200			erial: Schedule 80 P	
K. Borehole, bottom _ 242.4 ft. MSL or 16	2.0 IL	Screen type	_	Factory cut E [1] n
L. Borehole, diarneter 95 in.			Co	ntinuous siot [] 0
L. Borehole, diameter _9.5 in.	•	Manufacture	Monoflex.	Out 0
M. O.D. well casing _450 in.		Slot size:		0.QLQi
		Slotted leng	gth:	3 €.01
N. LD. well casing _ 4.00 in.			erial (below filter pack):	None 🗆
			<u>- 5-0</u>	Other 🖺
I hereby certify that the information on this Signature () / / / / /			y knowledge.	
VVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVV		~ D (~		

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147. Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

of Wisconsin Route to: Soli	i Waste 🛘 Haz Waste 🕽 Wastewater 🗖	MONITORING WELL CONSTRUCTION
runent of Natural Resources Env. Response	Repair Underground Tanics Other .	Form 4400-113A Rev. 4-90
	Local Grid Location of Weil	Weil Name
OLIN CORP / BAAP	The DN DE THE DE THE DW Grid Origin Location	PHM-9101
		Wis. Umque Well Number DNR Well Number
	Longor	Date Weil Installed
I	St. Plane	등등/응용/승수
sumce Well Is From WasterSource Boundary	Section Location of Waste/Source	Weil installed By: (Person's Name and Firm)
unknown t	1/4 of1/4 of SecT. 10 N, R. 6 W.	JON WEEKS
Is Weil A Point of Enforcement Std. Application?	u Upgradient s Sidegradient	
☐ Yes ☐ No	d 🖾 Downgradient n 🗌 Not Known	<u> </u>
A. Protective pipe, top elevation fi	MSL 1. Cap and lock	
". Well casing, top elevation fi	. MSL 2. Protective co	
		eter: _6.9in. _7.0ft
. Land surface elevation Q .Q fi	c Material:	Steel Ed 04
D. Surface seal, bottom ft. MSL or _5	0 t	Other 🖸 🐃
2. USCS classification of soil near screen:	d. Additional	protection?
	P 📙 📗 If yes, des	TIDE BUMPER POSTS
SM SC ML MH CL C	3. Surface seal:	Bentonite 🖾 30
	M M M	Concrete 0 01
· · · · · · · · · · · · · · · · · · ·		Other 🚨 🚉
14. Drilling method used: Rotary 5	1 900 900	een well casing and protective pipe:
Hollow Stem Auger 🖾 4		Bentonite EL 30 Annular space seal
· ·		Other 🗆
Drilling fluid used: Water 02 Air 0	5. Armular space	
Drilling Mud □ 03 None 🗵 9		gal mud weight Bentonite-sand shurry 35
	Lbs/	gal mud weight Bentonite sharry 🔼 3 1
16. Drilling additives used? Yes N		ntonite Bentonite-cement grout 50
Dough.	e_ <u>54</u>	_Ft ³ volume added for any of the above
Describe	£ How insta	iled: Tremie 🗆 01
17. 500000 01 4200 (2200 220)		Tremis pumped 🖸 02
		Gravity 🛘 08
A MCI	6. Bentoniu se	
& Bentonite seal. top ft. MSL or	n	. \$\Bar{\Bar{\Bar{\Bar{\Bar{\Bar{\Bar{
. Fine sand, top ft. MSL or 7	7 G fts 2 G	uterial: Manufacturer, product name & mesh size
. File said, wh		IN GRANUSIL #120
G. Filter pack, top ft. MSL or _ 7		
		sterial: Manufacturer, product name and mesh size
L Screen joint, top ft. MSL or _ g		LINT SAND #30
•	b. Volume a	ditied <u>S.S</u> ft ³
L Well bottom ft. MSL or _9	7.5 ft. 9. Well casing:	
, , , , , , ,		Flush threaded PVC schedule 80 🖸 24
Filter pack, bottom ft. MSL or _9		Other 🖸 📜
4 MEI Q		ial: SCHEDULE 80 PUC
2 Borehole, bottom ft_ MSL or _9	X .O ft.	
I Pambala diameter I A A :		
L. Borehole, diameter 10.0 in.	h Manufact	mer TIMCO
A. O.D. well casing _4.50 in.	c. Slot size:	
A. O.D. well casing _ 4.50 in.	d Sloned le	
LD. well casing 403 in.	\	rial (below filter pack): None 🔼 14
		Other 🗆
hereby certify that the information on this	form is true and correct to the best of my	knowledge.
Signature COV	Fam 6.4 O 4	

Tease complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each

Facility/Project Name	Lina Location		(Well Name	
BADGER AAP		ft 🖂 N. C S.	PBN -91-010	\boldsymbol{C}
Facility License, Permit or Monitoring Number		"		
Facility License. Permit of Monitoring Number		ft. 🗆 E. C. W.	Wis. Unique Well Number DNK	Well Nu
Type of Weil Water Table Observation Weil [11]	Section Location		Date Weil installed	
Piezometer X12	1/4 oi 1/4	1 of Carrier	1 25/	31
Distance Well Is From WasterSource Boundary			Weil installed By: (Person's Name and	· ·
1/4	T N. R	DEOW		
NA ft.	Location of Weil Aciative	O WasterSource	A. Rodriguez - D	riller
Is Well A Point of Entorcement Std. Application?	☐ Upgradient ☑ Downgradient	Sidegradient Not Known	Layre Environmento	ا
A Protective pipe, top elevation _ \$30.47 f		1. Cap and lo	ock?	Ye 🛛 🛶
B. Well casing, top elevation _ 830 04 f	L MSL	2. Protective	~ ·	06.4
C. Land surface elevation 828.0	MSL	b. Length:		06.0
D. Surface seal bottom ft MSL or	- 4	c. Material		mad 128/0 mad 128/0
12 USCS classification of soil near screen:		4 4455		_
OGP OGM OCCOGW OSW ESP OSM OSC OMLOMHOCL OCH		If year of	escribe BuckiNC POST(4) GR	
Bedrock	\ <u>`</u>	3. Surface sea		nice 🔲 3
13. Sieve analysis attached?	6 \	₩ \		z 🗶
14. Drilling method used: Rotary	io \	4. Material be	stween well casing and protective pipe:	
Hollow Stem Auger 🔲 4		S.	Benton	nite 🔲 🤼
Dual Wall Rev. Cirr. Honory Ster M.		Ceren	t - Benton te Crowt Out	리 🗆
15. Drilling fluid used: Water 202 Air) I 🛗 🖼			
Drilling Mod 03 None		5. Amular sp		
Dimma won El A.) 1475 El .			os/gal mud weight Bemonite-sand shi	
16. Drilling additives used? Yes		<u> </u>	x/gal mud weight Bentonite slur	αy □
16. Drilling additives used? I Yes		_5_9	Bentonite Bentonite-cement gr	out 🕱 👩
	## ##		Ft volume added for any of the abo	ve
Describe	🗯	How install	-	nie 🔲
17. Source of water (attach analysis):			Tremie gump	
Production Well #2 - BAAP			• •	. <u> </u>
Treater reli va brain	=== ₩ ₩	4		. –
		6. Benwnie :		- •
E. Bentonite seal, top _718.0 ft MSL or 11	೬.೨ ೀ್ಸ್ 💥 🖁		in. 13/8 in. 11/2 in. Bentonue pelle	
•		/ _Buc	toite Slucy On	= X _
F. Fine sand, top ft. MSL or V/	<u> </u>	7. Fine sand i	material: Manufacturer, product name a	and mesh s
G. Filter pack, tep 798 Ott. MSL or 13	000	Volume ad		
		8. Filter pack	material: Manufacturer, product name a	and mesh
H. Well screen, top 6855 ft. MSL or 14	25 m	CSS		
15 Well and the 222010		Voiume ad		
L Well screen, bottom 6755 ft. MSL or 15	n c t	9. Well casin		
L Well screen, bottom _Q[] > ft. MSL or] 5.	7.5 一 國		•	
475 to			Flush threaded PVC schedule	
J. Filter pack, bottom _6755 ft. MSL or 15	3.5 m	10. Screen ma		= D _
K. Borehole, bottom _6680 ft. MSL or 16	00 12	Screen typ		cut 🔏 🗓
V. Poletiois' pormui - 75 & 2 '7 '11 '11 5 4 1 1 1 1		a second	Continuous s	
		<u> </u>		
L. Borehole, diameter _9.0 in.	•	\ Manufacture	me MONOFIEX	her 🛛 💆
		Slot size:	a _/·/U/-U/-CL &	0. OI C
M. O.D. well casing _1,25 in.	•	Slotted len	igth:	TÕ.Ğ
N ID and anima 2 7E		\	·	one
N. LD. well casing _3.75 in.			4	her
I hereby certify that the information on this	form is thus and con			
	Lane .			
Signature	- 1877 -	. <i>C</i> C		

English Name	Location		(Weil Name	
1 46.06//1 10/0011	Locaton Control	6 - · · - ·		
BAAR RIFS		fr 🖂 X 🖒 3.	PBN-91-02B	
Facility License, Permit or Monitoring Number		ft. C E. C W.	Miz. Obidine Meri Vituoe	DNK Well Number
Type of Weil Water Table Observation Weil 11 Sec	zon Location		Date Weil installed	
Piezometer 🖸 12	1/4 of 1/4	of Section	<u>0</u> 2	128191
Distance Weil is From WasterSource Boundary		, or acree	Weil installed By: (Person's	
	N. R 0	I E 🗆 W		•
MA ft. Loc	upgradien:	o WasterSource	Act Radalacres	
	☐ Upgrazien:	☐ Sidegradient	l . –′ .	: ,
☐ Yes 22 %	Downgradient	☐ Not Known	Layne train	n manhal
A. Protective pipe, top elevation _ \$21.36 ft. M	SL _	1. Cap and lo	ck?	2 Ye D No
in the second se		2. Protective		
B. Well casing, top elevation 32/25 ft M	SL —	a Inside di	• •	6. Qir.
CIG A AV	. ! ! ! ! !	b. Length:		
C. Land surface elevation _ \$19.0 f M				₹ 21
D. Surface seal, bottom ft. MSL or	النجيبية ال	c Material	Ľ	Steet 📆 0 ≟
				Other 🔲 🛴
12 USCS classification of soil near screen:	7		nal protection?	🗹 Yes 🔲 No
PGP GM GC GW GSW ESP	/ VI	I yes d	escribe 95aus Dad 1	B. c. Britis
SM OSC OMLOMHOCLOCH \	<u> </u>			Bentonite 30
☐ Bedrock	\ \$\ \$\ \$\ \$\ \$\ \$\ \$\ \$\ \$\ \$\ \$\ \$\ \$\	3. Surface sea	d:	Concrete 25 0:
13. Sieve analysis attached?	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	9 \		-
1	\ 22 22	1 \ . 		Other 🖺
14. Drilling method used: Rotary 1 50	\	`4. Mai∈tai be	stween well casing and protects	
Hollow Stem Auger 41	\	3		Bennonite 🔲 30
Ded wall more circulater to			Armul	iar space seni 🖬
				Other 🔲
15. Drilling fluid used: Water 12 02 Air 2 01			Commen	iar Bentonite [] 33
Drilling Mud 03 None 99		5. Annular sp		
Dimmi [10]			s/gal mud weight Bentonia	
16 Belling addition would Then The			s/gal mud weight Ber	
16. Drilling additives used?		_5 %	Bentonite Bentonite-	cement grout 🗗 50
		42	Ft ³ volume added for any	of the above
Describe	- 22 22	How install		Tremie 🔲 0 !
17. Source of water (attach analysis):			T _{re}	mie pumped 🔲 0 🗆
Pw #2			110	·
- FW # C	= 🚟 👺			Gravity 🔟 0 g
		6. Benunite :	eal: Beno	nice granules 🔲 35
E. Bentonite seal, top _741.0 ft. MSL or _78.		□1/4	in. 🖂 3/8 in. 🖂 1/2 in. Ben	tonue pellets 🔲 3 🗅
E demonto see of TTTT:		20'	Barbon te Slucy	Ont- []
F. Fine send, top ft_MSL or				
F. Fine sand, top ft_MSL or	- " \ \ 💥 🕷	/ Pue sand	naterial: Manufacturer, produ	ict unue and mean size
70.0		Y / —	Done	
G. Filter pack, top 720 9 ft. MSL or 98.		Volume ad	dedft ³	<u> </u>
		8. Filter pack	meterial: Manufacturer, prod	uct name and mesh size
H. Well screen, top 7/40 ft. MSL or 105 .	2 1	C35	Silve Sound	
		Voiume ad		
L Well screen, bottom 7040 & MSL or 115		9. Well casin		schedule 40 🔲 23
L Well screen, bottom _ TO40 ft MSL or 1 15.0		7. Well Cash	•	
24114		Ĭ.	Flush threaded PVC:	_ . _
J. Filter pack, bottom _ 7040 ft. MSL or 1155		1		Other 🗆 🗓
•		10. Screen ma	erial: PUC Shorble	<u> </u>
K. Borehole, bottom _ 704.0 ft. MSL or 1 15.	2 12	Screen typ	=	Factory cut 🖸 11
		"		ntinuous slot 🔲 0 1
# *	\200	. .		Other 🗖
L Borehole, diameter 1.0 in.		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	A (1)	
	•	Manufactur	Monoflex, Inc	0.010 in.
M. O.D. well casing _4.25 in.		Slot size:		
7.25 OD		Slotted len	gth:	70.0 tr
N. LD. well casing in.		11. Backfill ma	sterial (below filter pack):	None 🗷
to make a day of the make a day				Other 🗆
the state of the s	m ie mie 222	act to the best of -	w knowledge	
I hereby certify that the information on this for		act to the nest of th	T RECEIVED	
Signature	ATTT-	E C		
Signaire / Wel Kutob	19/1/3/2	دير		

ABB Environmental Services, Inc.	ABB	Enviro	nmental	Services	. Inc.
----------------------------------	-----	--------	---------	----------	--------

17.

MONITORING WELL CONSTRUC

Facility/Project Name		Cnd Location		Weil Name	
. /-	١		, i		
BAA P RI/55 Facility License, Permit or M	Ionuonne Numer	·	tr 🖸 W 🖸 2:	Using the series of and American) At all the state of
racilly License, Permit of 5	.visioni 215 . TUITOET		ft @ E. @ W.	Ording Men unwocz	DNR WELLTH D
<u> </u>	\hat{\hat{\hat{\hat{\hat{\hat{\hat{	Section Location			
Type of Weil Water Table C		1		Date Weil installed	2/32/9/
Piezomer	Q12	1/4 of 1/4	/4 of Section	m n	7/32/9 +
Distance Weil is From Waster		TN, R	TET W	Weil installed By: (Person's	
	NA tr.	Location of Weil Adiative	to WasterSource	- Het Rodaines	.
Is Weil A Point of Entorceme	en yor Abbrication;	☐ Upgracien:	☐ Sidegradient		
_	Yes Z No	Downgracient	Not Known	Laure Envision	
A. Protective pipe, top sievat	ion _ 922.09	L MSL	1. Cap and	·	¥ Ye □ ɔ
	01/01/			se conset bibe:	 -
B. Well casing, top elevation				diamete:	4.0 5
C. Land surface elevation	_819.9	MSL	b. Length		-6 · /3
			c. Mater		Steel 🗹 J
D. Surface seal, bottom					Other 🗖 _
12 USCS classification of s		/ ********		ional protection?	∑ Ye □ →
	COW II SW E SP	/ / / / / / /		describer General Port +	Burian Dart
D SM D SC DML	TWH DC DCH	/ 型 [H \ \	·	Bentonite 🗆 3
☐ Bedrock		50 51 01 99	3. Surrace s	ear.	Concrete 🗷 🗥
13. Sieve analysis attached?	□ Yes ■ N	6 \ 🚆 I	₩ /		Other
•	Rotary 🔲 5	io \ ##	4. Materail	between weil casing and protects	ive pipe
	oilow Steen Auger 4	. \	₩	· — — and more broaders	Bensonite 🔲 3 (
Dul wall Rower		 		4	iar space seal 🗹
was wall Kouse		· # 1	₩	Annı	
15. Drilling fluid used: Wast	· DS.02 Air 図(,, 🗸 🗎			Other 🗆
15. Drilling fluid used: Wast Drilling Mud		īj 🖼 l	5. Annular s		aler Bennonia 3
Purmus Wat	ים אססות כעים-			bs/gal mud weight Bentonis	
16 Patting addition to the	□Yes Man	_ ﷺ	t	Lbe/gal mud weight Ben	atonite slutty
16. Drilling additives used?	□ Yes © N	~ 選	5	% Bentonite Bentonite-	cement grout 💆 🌖
~ -				Ft 3 volume added for any	of the above
Describe		2	How assa		Tremie 🔲
17. Source of water (attach at					anie pumped 🔲
PW	#7		\dagger	116	Gravity 🎾 0
			\dagger		
. .	19 9		6. Bentonite		nice granules [
E Bentonite seal, top _ 79	T.T IT WIST OF !!	×.2 元 麗		4 in. □3/8 in. □1/2 in. Beni	nomite pellets
		/ 麗		o' Bentanta stury	
. Fine sand, top	ft. MSL or	一	7. Fine sand	material: Manufacturer, produ	uct name and mesh
	7VG	0.0 %	3 / /		··
G. Filter pack top _68	889 t MSL or 13	T'6 로 / 12 F		iddedft ³	÷
-	· c &		## 	k meterial: Menufacturer, prod	uct name and mesh st
L Well screen, top _GG	180 a MSL or 15	1.3 ~ 用 1	1 / 1551	Silies Sound	
• ·	- -		Voname a		
. Weil screen, bottom _45	78 GR MSL or / L	(3 a)	9. Well cass		schedule 40 🔲 2:
			[]	Firsh threaded PVC	_
Filter pack, bottom _65	186 1 MSL ar / /	13 th			Other 🗆
•	_		¥ \	namial: PUC school	
/ Be-1-1-1-	58 6 n. MSL or 1 6	130	10. Screen in		
L Borehole, bottom _@	실 및 TO JEM 과 포. 드.	··~	Screen ty		Factory cut 🗹 1
	¢ _		3	Con	ntinuous slot 🔲 🕡
. Borehole, diameter	Lo in	·	\ · —		Other 🛚
_		•		Monoflex, Inc	
1. O.D. well casing _1.	25 in		Slot size:	: ´	0.070
7.3	15 M		Slowed le	~	۶. و
I. LD. well casing	2 14 m		11. Backfill n	material (below filter pack):	None
,		_		• •	Other
hereby certify that the	information on this	form is true and con	rect to the best of	my knowledge.	
ignature Certify that the					
		1777			

Yang Yang	Grid Location		(Weil Name		
Facility/Project Name BAAP		ft □ N. □ 3.	PB.U-11-03		
Faculty License, Permit or Monitoring Number	l ————		Wis Unique Weil Number		
Figure 1 const. 1 const. 1 const. 1 const.		fr 🗆 s. 🗆 w.	Was Grange West Linestoc	, DINK WELLINES	<u> </u>
Type of Weil Water Tapie Observation Weil [1]	Section Location		Date Weii installed		_
Piezometer 🗵 12	1/4 of1/	4 of Section)	17/3/19	
Distance Weil is From WasterSource Boundary	1 .		Weil installed By: (Perso	ns Name and rim)	_
NA te	TN. R	ID E II W	Art Ration	=	
Is Well A Point of Entorcement Sta. Application?	☐ Upgratier	☐ Sidegradient	7		
C Yes CAN	Downspacient		Laura Envir		
A. Protective pipe, top elevation _\$14.89	ft MSL	I. Cap and lo		Ø Ys □ !	No.
B. Weil casing, top elevation 814.72	R MSL	2. Protective			
o	1	a Irside di		-63	
C. Land surface elevation _ \$12.7	, WZL	b. Length:			
D. Surface seal bottom ft. MSL or _		C.Maleria	Ľ	Steel 😰 Other 🖸	0 -
12 USCS classification of soil near screen:		d Adding	nel protection?	2 % E	<u>-</u> -
GP EGM CC CGW CSW ESP		If yes, o	becriber 4 Bucking B	sr Ce	5
DSM DSC DML DMH DCL DCH		$H \setminus I$	MOAUEL PA		- 3 û
☐ Bedrock	\	3. Surface sea	d:		0:
13. Sieve analysis attached? Yes	<u>به /</u> هـ			Other E	
14. Drilling method used: Rotary	50 \	4. Marcai be	erween weil casing and prote		
Hollow Stern Auger	41 \			Bentonite 🛚	3 ()
Dual wall Ravarra Circulal Deter 13			An	mular space seal 🔟	
	🗸	-		Other 🛚	
15. Drilling fluid used: Water 2002 Air 20 Drilling Mud 103 None 1		5. Amulæ sp			33
Drilling Mud 🗆 03 None 🗆	''	L	s/gal mud weight Bento		3.5
16. Drilling additives used? Yes		u	se/gai mud weight I	,	3:
		7-1	Bentonite Bentoni Ft 3 volume added for a		50
Describe		How install		•	0:
17. Source of water (attach analysis):					01
, 5m # 5		ä .		* . * _	0 3
		6. Bentonite :	nal. Re		33
E Bensonite seal, top _744.7 ft MSL or _6	Y 4.		in. []3/8 in. []1/2 in. 8	• -	32
E Bentomie seat, up 1211.1	- · · · · · · · · · · · · · · · · · · ·	/	o' Bobonite 31		-
F. Fine sand, top ft. MSL or	一 ペ \ 器 !		naterial: Manufacturer, pr		 size
	N Fi F	9 / /	<u>novis</u>		
G. Filter pack, top _274. 3th MSL or _8	8 a \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Yoluma ad	dedft-	3	_
		8. Filter pack	meterial: Manufacturer, pr	oduct name and mesh	512
H. Weil screen, top _ 716.7 ft. MSL or _ 1	6	<u> 255</u>			
744 7		Voiume ad			
L Weil screen, bottom _ 706 7 ft. MSL or 10	7.7 一個	9. Well casin	•		23
J. Filter pack, bottom _ 706.7 ft MSL or 10			rmsn theaded LA		24
J. Filter pack, bottom _129.1 th MSL or 10	A.T. "	· · · · · · · · · · · · · · · · · · ·	with Die Schal	Other 🗆 .	-
K. Borehole, bottom 7067 ft. MSL or 10	610	-	mist: PUC School		11
K. Borehole, bottomTI R. MSL or 1 0		Screen typ			01
L. Borehole, diameter 0 in.	\ <u>////</u>	2 (.	·	Other 🗆	•
P Dolemone mailleast 77 7 m.	•	Manufactur	maraflex Inc		- -
M. O.D. well casing 425 in.		Slot size:	- <u> </u>	0.010	_
7.35		Slotted len	gth:	<u> 10.9</u>	0 ñ
N. LD. well casing m.		11. Backfill m	sterial (below filter pack):	None 🔼	
				Other 🗆	
I hereby certify that the information on this	form is true and cor	rect to the best of m	v knowiedge.		

Signature

| Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Control | Con

MONITORII	IG WELL	CONST	TRIIC

	سنسي والمراجع المراجع المتحادث المتحادث المتحادث المتحادث المتحادث المتحادث المتحادث المتحادث المتحادث المتحادث				
Facility/Project Name	Crid Location		Weil Name		1
BAAP		ft @ N C S.	7311-71-		
Faculty License, Permit or Monitoring Number		ft. [] E. [] W.	Miz Curdine Men Vin		LNur c
Type of Weil Water Table Observation Weil 11	Section Location		Date Weil installed	BALZAIA	,
Piezometer 212	1/4 of 1/	4 of Section	ļ.,	유뉴/ 승급/ 각	to _
Distance Weil is From Wasterbource Boundary	T N. R	ПЕПМ	Weil installed By: (m)
NA ft.	Location of Weil Kaiative	to Waste/Source	Act Rade	A. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	
Is Weil A Point of Entorcement Sta. Application?			11		,
C Ye C'h	S Downstation			- missimsul	== -
A. Protective pipe, top elevation _ \$24.50	il MSL	1. Cap and lo		₽ Ye	
B. Weil casing ton elevation 814.37	R MSL	2. Protective	• •		
B. Well crame by constant	1 1-1	a Inside di		-	6.Q :
C. Land surface elevation _ ELZ .3	r .MSL	b. Langth:			.6.6 .
D. Surrace seal, bottom ft. MSL or	- 4 -	c Material	Ľ	Steei	
12. USCS classification of soil near screen:	7 / 量別			Other	
	1 777	14 \	nal protection?	☐ Yes	יים
		$H \setminus I$	escribe:		
□ Bedrock		3. Surrace sea	d:	Bentonite	_
13. Sieve analysis attached? Yes	√° / ∰ [Concrete	
	\ 504 5	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	rween weil casing and	Other	<u> </u>
14. Drilling method used: Rotary Hollow Stem Auger	1 189 1		∾व्या ≗ला ल्या मा प्रा प	Protective pipe:	□ 30
Dul Will Roses C'allah Other 5				Ammiar space seal	
Dual Wall Rosest Circulation	· \				-
15. Drilling fluid used: Water (202 Air (20	01			Other Gramular Bentoni	3 3
Drilling Mud 🗆 03 None 🖸	99 🚟 🖡	5. Armiler sp	ace seal: s/gal mud weight		
	} 👺 🛚				•
16. Drilling additives used? Yes	<u>ا</u> 💆 ا		e/gal mud weight Bentonite Be		
	01 99		Ft ³ volume added		→ 30
Describe	🗏	How install		Tremie	a (
17. Source of water (attach analysis):			== ==	Tremie pumped	
PW #2				Gravity	
		4 7		Bentonite granules	
E Bensonite seal top 7643 ft MSL or 10	£.º tr	6. Bentonite s	end: in. []3/8 in. []1/2 :		
E. Bentonite seal up _ I y] . I mul or 10			Bostonic of		
F. Fine sand, top ft. MSL or _ =					
F. Fine sand, top ft. MSL or	·-·- "\ \毉 !	/ / / Fage send !	naterial: Manufactur	er, phoduct name and t	mesn s
G. Filter pack top 4842 ft. MSL or 12		Volume add		_n³	
G. Filter pack, topG_57_£11_MSL or 12	14 / Lin		meterial: Manufactur		mach air.
H. Well screen, up 670 0 ft MSL or 14	23 4	<u> </u>	~°.' /	A POUR MARK AND	***************************************
H. Well screen, up		<u>C55 (</u> Voiume ad	<u> 5. 4 0 e 5 am</u>	R3	-
L Weil screen, bottom 660 6 ft MSL or 15	23年 厘	9. Well casin		n- zi PVC schedule 40	2 3
F wan zuger nimm 7222 '7 '5 ''	=14 / []	.1	•	d PVC schedule 80	_
I. Filter pack, bottom 660 0 th MSL or 15	231				
660.0		10. Screen mas	erial: Ale sh	akila SO	
K. Borehole, bottom _ 1903 ft. MSL or 15	23 a.	Screen typ		Factory cut	D 1
Continue comme		Series typ	100	Continuous slot	
L. Borehole, diarneter <u>90</u> in.	\ <i>!!!!</i>	2 .		Other	
Providence T. A. mr		Manufactura	E Manoflex	In.	
M. O.D. well casing 425 in.		Slot size:	— <u></u>	0.	0 10.
W. C.D. WELL LEBURY BL		Sloged len	gth:		10.0
N. LD. well casing the m.		\	uerial (below filter pac		
T. LL. WOLL CANCEL TO THE		- 40 material Will		Other	
hereby certify that the information on this	form is true and cor	rect to the best of m	v knowledge		
Signature	F1000				
	15016				

State of Wisconsin Department of Natural Resources			ONITORING WELL CONSTR orm 4400-113A	RUCTION 8-39	
cility/Project Name	Grid Location		Well Name		
Sadar Hom Amounton Plant		fr 🖂 N. 🗆 S.	PBM-90-01D		
Facility License, Permit or Monitoring Number			Wis. Unique Weil Number	DNR Well	Nume
. Both y and the control of the cont		ft. 🗆 E. 🗆 W.	WB. Stages Weat Manager	21416 1144.	
Type of Weil Water Table Observation Well 11	Section Location		Date Weil installed		
· · · · · · · · · · · · · · · · · · ·			Date well installed 0 8	(135194	0
Piezometer 12	1/4 of 1	/4 of Section	mm	्वव 🔻	▼
Distance Weil Is From Waste/Source Boundary	TN. R	חברוש	Weil Installed By: (Person's		n)
ft.	Location of Weil Relative	to WasterSource	J. Buss >EC	Jordan	
Is Weil A Point of Enforcement Std. Application?	☐ Upgradient	☐ Sidegradient			
☐ Yes No	☑ Downgradient				
A. Protective pipe, top elevation f	L MSL	1. Cap and lo	ock?	Z Yes [□ No
	L MSL	2. Protective	cover pipe:		
B. Well casing, top elevation fi	L MSL	2. Protective	iameter:		i
C. Land surface elevation f	MSL	b. Length:			f
		c. Maieria		Steet 12	28 0
D. Surface seal, bottom ft_ MSL or	ft.			Other D	_
12 USCS classification of soil near screen:		A Addison	nal protection?	Ye C	_
☐ GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP	1	The same of the sa	lescribe: 4 buch ne Rolls	T 10 F	7 140
SM SC DML DMH DCL DCH	/ / /	There	Escube: 1 Onevite Hind		
□ Beckeck	\ <u>``</u>	3. Surface sea	u :	Bentonite C	
	. \		: 1	Concrete =	2 0
	° \	X	Drait	Other 2	₫
14. Drilling method used: Rotary 🔲 5	50 51 21 29 66	3. Surface ser	stween well casing and protective	ve pipe:	_
Hollow Stem Auger 🛛 4	.1 \			Bentonite [3 3
Duch Wall Roverse Circulation Other 12	\ 		Armul	ar space seal	3
*) 🔛	Bruk	ate/court Crout		
15. Drilling fluid used: Water 02 Air 00) 1	5. Armular sp		lar Bentonite	_
Drilling Mud 🗆 03 None 🚨 9	9 🛱	•	s/gal mud weight Bentonit		
) 28 1	-	s/gal mud weight Ben		_
16. Drilling additives used?	io 🚟		Bentonite Bentonite-		
) (88)				5 (
Describe	\ 📟 !	How install	volume added for any		
17. Source of water (attach analysis):		M NOA MENT		Tremie 🗆	_ `
			Tres	ure brimbed	
Asiduchian Well #2				Gravity 🗆	3 0:
	2.0 ft	6. Bentonite s	eal: Benton	nite granules 🗀	3 3
E. Bentonite seal, top ft. MSL or 186	2 <u>0</u> fr. 🐰	Ø / □1/4 :	in. 03/8 in. 01/2 in. Bent	onite pellets	
		3 / G.	Ltoub Slura	Other D	R
. Fine sand, top ft MSL or	ft.	7. Fine sand r	naterial: Manufacturer, produ		
			mainauter, produ	ri imilie dim ille	⇒11 21V
G. Filter pack, top ft. MSL or 18	con Not	Volume add	led ft ³		
G. Filter pack, mp	, = / / / / / /		**		
i. Well screen, top ft. MSL or 20	~ \		material: Manufacturer, produ		
i. Well screen, top ft. MSL or 120	5'5 m []	.,	obraco Silvia Sand Colors	<u>. دنن 5, ا.زر کو</u> س	مازد
		Volume ad			
Weil screen, bottom ft. MSL or 210	>.5 「人」 「選」	9. Well casin	•		
			Flush threaded PVC se	chedule 80 🖪	1 2-
J. Filter pack, bottom ft. MSL or 3 Lo	2.5 ft.			Other 🖾	3
•		10. Screen mas	erial: Schedule 60 PUC		-
Borehole, bottom ft. MSL or 217	2 0 fc	Screen type		Factory cut	8 11
				tinuous slot	
L. Borehole, diameter 9 5 in.		2 .	Ç.	Other	
		\ <u></u>	0.16		'
LOB will resime the		Manufacture Slot size:	- Orilling Equarat Sant		
1. O.D. well casing _ Y _ in.		1	-ab.		1 0 i
_		Slotted len	=		2 . <u>0</u> 1
LD. well casing _ 4.2 in		_	perial (below filter pack):	None 🖸]
		e).	live cove	Cohen [2]	4

ease complete and return both sides of this form as required by clis. 144, 147 and 160, Wis. Stats... and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats.. failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance

itate of Wisconsin Department of Natural Resources			IONITORING WELL CONST	RUCTIC 8.	
aculity/Project Name	Grid Location		Weil Name		
Library Hammidian Plant	_	f∟ □ N. □ S.	ABM-90-02D		
active Licensel Permit or Monitoring Number	7		Wis. Umque Weil Number	DNR We	il Nur
		ft. [] E. [] W.		- -	
e of Well Water Table Observation Well 11	Section Location		Date Weil Installed		
Piezometer 2012	į.	IA of Sacian	08	5/15/5/5	<u> </u>
nee Well Is From Waste/Source Boundary	···		Weil Installed By: (Person s	Name and -	(1777) V
	T N. R	DEDW	Jin Buss - E		
ft.	Location of Weil Relative	s to Masie/2onics	7 - Jin Duss - 1-1	10 CO(6)	<u> </u>
Well A Point of Enforcement Std. Application?		-			
☐ Yes ☐ No	Downgradient	☐ Not Known			===
Protective pipe, top elevation	fl MSL	1. Cap and		2 Yes	
	ft. MSL	2. Protective	e cover pipe:		
Well casing, top elevation	IL MOL	a. Inside	liameter:	_	- - · -
t	r MSL	b. Length	:	•	- - -
and surface elevation		c Materi		Steel	· -
Surface seal, bottom ft MSL or _	A. (32.55:3)	The state of the s	-	Other	
		J. Access	-1		<u> </u>
USCS classification of soil near screen:	1 Links	N. Z. a Adding	onal protection?	El Yes	
BGP DGM DGC DGW DSW DSP	/ / All	If yes.	describe 1 bucking Pers	<u> </u>	-
SM OSC OMLOMHOCLOCH		3. Surface se		Bentonite	
☐ Bedrock ieve analysis attached? ☐ Yes ☐ ————————————————————————————————————	\ \$	3. Suriaze 9	~u.	Concrete	
eve analysis attached? 🔲 Yes 💢	No \	×	Grant	Other	
rilling method used: Rotary 🚨	50 \	4. Material I	etween well casing and protect		_
Hollow Stem Auger	\ 603			Bentonite	П
			A		_
Cother 12			Annu Annu	iar space seai	
	. 🖼		7.00	Other	
	01	5. Armuler s		iar Benros	
Drilling Mud 🔲 03 None 🚨	אין אין	<u> </u>	bs/gal mud weight Bentoni	te-sand slurry	
			bs/gal mud weight Ber		
rilling additives used? 🔲 Yes 🛮 🖾	No 🗮		Bentonite Bentonite-		
			volume added for any		_
scribe		How insta		Tremie	
ource of water (attach analysis):					
PW 2			ire		_
TW d	&			Gravity	
		6. Bentonite	seal: Bento	nite granuies	
mannite seal, top ft_ MSL or 1	240 ft 🔯		in. Q3/8 in. Q1/2 in. Ben	tonue peilets	
	\ 821		book Store	Other	_
s sand, top ft. MSL or	, \ 🕅				
	- <i>-</i>	/ . rune sand	material: Manufacturer, produ	uct name and i	mesh
			3		-
ter pack, top ft_ MSL or)	∠Z.º r~ \\	Volume a			
		8. Filter paci	material: Manufacturer, prod	uct name and	mesi
ell screen, top fr. MSL or 1	245 m	Colorado	Slice Seallo, Garage	S.1. S	00
•		Volume a			-
screen, bottom ft. MSL or a	oy S fin li e	9. Well casu		schedule 40	
	- 1.5		Flush threaded PVC:		
er pack, bottom ft. MSL or 2 c		*	. Mari disental P VC	_	_
Fr peck. bottom ft. MSL or 2 c	23.2 11		and I I are	Other	u
		10. Screen ma	verial: Schedule 5- 00(
whole, bottom ft. MSL or 2	11.2 12	Screen typ		Factory cut	
_			Con	ntinuous slot	
thole, diameter 9 5 in.		٩		Other	
-4		Manufactor	HE Delline Equipment Su	301 1-6	
D. well casing 4 5 in.		Slot size:	- Annie	, v	ىد.
		Slotted let	aerh.	<u>.</u>	
· · · · · · · · · · · · · · · · · · ·		1	•		
), well casing _ 4 . O _ in			sterial (below filter pack):	None	
			ictive cave	Other	W.
reby certify that the information on thi	s form is true and co	rrect to the best of n	v knowledge.		
Mire .	Fam				
p :	i				

complete and return both sides of this form as required by cns. 144, 147 and 160, Wis, Stats., and cn. NR 141, Wis, Adm. Code. In accordance with Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance

State of Wisconsin Department of Natural Resources		MONITO Form 440	RING WELL CONSTRUCTION 0-113A 8-89		
	Grid Location	Well N			_
Facility/Project Name Beclas Aran Amountion Plant			147-90-03D		
Facility License, Permit or Monitoring Number		Wiel	Inique Well Number DNR We	il Nun	noe
	IL	□ E. □ W.		 .	
TABLOT METT METET LEGITO CODE COTTON 77	Section Location	Date	Weil Installed	0	
Piezometer 📓 12	1/4 of 1/4 of Section	on	05/12/5 mm d d d v	V	
Distance Well Is From Waste/Source Boundary	TN. R DEDY	w	in Buss - E. C Jurda		
Is Weil A Point of Enforcement Sig. Application?	Location of Well Relative to Waster	Source	IN CLSS - E. L. Jeida		
Yes No	☐ Upgradiers ☐ Side ☐ Downgradient ☐ Not	-			_
	MSL	1. Cap and lock?	□ Ye		No
	MSL	2. Protective cover	-	_	
B. Well casing, top elevation ft.	. Mal The	a. Inside diameter:		· -	_ inL
C. Land surface elevation	MSL	b. Length:		- <u>-</u> ·-	_fL
D. Surface seal, bottom ft. MSL or		c. Material:	Steel	_	0 4
12. USCS classification of soil near screen:		d. Additional prot	Other		 ~
SGP □GM □GC □GW □ SW □SP	/ KIN KIN	If yes, describe	4 bucking Posts	، ب	.~
SM DSC DML DMH DCL DCH	/ / 川 (1) /		Bentonite		30
☐ Beckrock	\	3. Surface seal:	Concrete		01
13. Sieve analysis attached?	· \	Grock	Other	_	
14. Drilling method used: Rotary 5	\ B02 B02	4. Material between	well casing and protective pipe:	_	
Hollow Stem Auger 4	1		Bentonite	_	30
Qual Wall Other Q		Goal	Annular space seal		
15. Drilling fluid used: Water 🔲 02 Air 🖾 0					33
Drilling Mud 03 None 9	9	5. Armular space seal	cranuar pentonue ud weight Bentonite-sand shurry	_	35
			and weight Bentonite slurry		31
16. Drilling additives used? 🔲 Yes 🔼 No	s (2)		nite Bentonite-cement grout		50
D =3		2 465 e F	volume added for any of the above	-	
Describe	💹 🖼	How installed:	Tremie	_	01
17. Source of water (anach analysis): $PW \neq 2$			Tremie pumped	=	02
			Gravity	_	03
-		6. Bentonite seal:	Bentonite granules	_	33
Bensonite seal, top ft. MSL or 16 1	I.2 ft 💥 💥 🖊	/ D1(4 ist.) D3	/8 in. 1/2 in. Bentonite peilets		32
. Fine sand, top ft. MSL or			Other Other		
. Fine sand, top ft. MSL or		/. rue sand material	Manufacturer, product name and	mesh : -	size
G. Filter pack, top ft. MSL or 129	î.e m \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Volume added	ft ³		
		8. Filter pack materia	l: Manufacturer, product name and		
I. Well screen, top ft. MSL or 1 & 9		Cobredo Silia	Sand to Coloredo Silve Sand	6	عد.
,		Volume added:	End desired NVC and delicate	_	
Well screen, bottom ft. MSL or L 9 2	2.5 一	9. Well casing:	Flush threaded PVC schedule 40 Flush threaded PVC schedule 80		23
Filter pack, bottom ft. MSL or 200			Other	=	_~
1. Lines been contour TTT 'T in terms of \$50		10. Screen material:		.	
. Borehole, bottom ft. MSL or 205	Q fty	Screen type:	Factory cut	8	ī ī
			Continuous slot	<u> </u>	01
L. Borehole, diarneter _ 9 { in.			Other		
	\	Manufacturer Otat			
i. O.D. well casing _ \(\frac{1}{2} \) \(\sum_{in} \)	\	Slot size:		. 919	
5	\	Slotted length:		TG .6	ī rr
. LD. well casing 40 in.	·	11. Backfill maeerial (t مرکزید ز	•		
haratty cartily that the information on this	form is true and compat to a			=1	
hereby certify that the information on this is	Fam	IND CARE OF UM KUC	716UQU		
Per st. Del	E. C. Jordan				
lease complete and return both sides of this form as re	equired by chs. 144, 147 and 160, W	is. Stats., and ch. NR 14	II, Wis. Adm. Code. In accordance	WILD	
The Tale Wie Consel Fall see to Clayther from more exercise.	The Contraction of a Contract State Title	gradien de la Proposition de la Constantia	<u> </u>		

State of Wisconsin Department of Natural Resources			IONITORING WELL CONSTRU From 4400-113A	UCTION 8-89
Facility/Project Name Scolace Henry Amount for Plant	Grid Location	ft. N. S.	Well Name PBN-90-04B	
Facility License, Permit or Monitoring Number		fr E W.	Wis. Umque Well Number	DNR Weil Number
.,,	Section Location		Date Well Installed 0.5	<u> </u>
Piezometer 12 Distance Weil Is From Waste/Source Boundary	1/4 of 1/4 T N. R F		Weil Installed By: (Person s A	ame and rum)
ft. Is Weil A Point of Enforcement Std. Application?	Location of Well Relative to	☐ E ☐ W □ Waste/Source □ Sidegradient	Paul Bolmer - 1	· Tork.
☐ Yes ☐ No	Downgradient Downgradient	☐ Not Known		
	L MSL	1. Cap and 1 2. Protective		Ø Ye □
D. Well calling, up dictation	MSL	a. Inside d		in_
C. Land surface elevation ft. MSL or	<u> </u>	c. Materia		Steel 🖾 🗸 4
12. USCS classification of soil near screen:		d. Addition	nal protection?	Other □ ☑ Yes □ :
ØGP □GM □GC □GW □SW □SP □SM □SC □ML □MH □ CL □ CH		1 \ \	describe 4 becking flish	
☐ Bedrock	. \	3. Surface se	ai: · \	Bentonite 3 0 Concrete 7:
13. Sieve analysis attached? ☐ Yes ☐ N 14. Drilling method used: Rotary ☐ 5	° \	4. Material b	erween well casing and protective	Other 🗹
Hollow Stem Auger 4	1			Bentonite 🗆 30
***************************************		_60		r space seal 📋 Other 🖼
15. Drilling fluid used: Water 0 0 2 Air 0 0 0 Drilling Mud 0 0 3 None 0 9	9	5. Annular sp	pace seal: Granula ox/gal mud weight Bentonite-	Bentonite 33
16. Drilling additives used? Yes Y N		u	bs/gal mud weight Bento	mite slurry
Describe		2)70 ac	Bentonite Bentonite-ce	the above
17. Source of water (attach analysis):		How instal		Tremie 🔲 🕴 ie pumped 📵 0 2
ρω+2				Gravity 🔲 🔿
E Bentonite seal, top ft. MSL or _ 92	2.8 ft	6. Bentonite :	seal: Bentonii in., \$\int 3/8 in. \$\int 1/2 in. Bentoi	nte pellets 🔲 32
7. Fine sand, top ft. MSL or		Lead Lead	sale Sharry	Other 🖼 🛒
		/ Pine sand	material: Manufacturer, product	name and mesh : :
G. Filter pack, top ft. MSL or LQ	3.8	Volume ad	dedft ³ material: Manufacturer, product	name and mesh a
f. Well screen, top ft. MSL or 1 LC	2.2 €	Colorado	S. les Send Co Coberte	
I. Well screen, bottom ft. MSL or 12c	0 fm	Volume ad 9. Well casin		edule 40 🔲 :
. Filter pack, bottom ft. MSL or 1 20	5 ft.		Flush threaded PVC sch	ectule 80 🛜 : Other 🔲
% Borehole, bottom ft. MSL or L 3			erial: Standule 80 POK.	
		Screen typ		actory cut 🔯 1
L. Borehole, diameter _ 2.5 in.	·	Manufactur	or Ordin Eggs & Sugl	Other 🛛 _
M. O.D. well casing _ 4 . \(\sigma \) in.		Slot size: Slotted len	- 3 / 1 - 11 - 11 - 1	0. 57.5 ···
N. L.D. well casing _ Y .O _ in		11. Backfill ma	perial (below filter pack):	20.0 ft. None □
. hereby certify that the information on this	form is true and corre		v knowledge.	_ Cther
Signature () II DR ()	Fam E			

State of Wisconsin Department of Natural Resources			MONITORING WELL COI Form 4400-113A	NSTRUCTION 8-89	
Facility/Project Name Grace Army Amount 102 Plant	id Location	ft. 🗆 N. 🗆 S.	Well Name PBN-	90-04D	
Facility License, Permit or Monitoring Number		fr 🗆 E. 🗆 M	A COMPANY OF THE PROPERTY OF THE PARK OF T		
	ction Location		Date Well Installed	CS/CS/5	<u> </u>
Distance Well Is From Waste/Source Boundary	1/4 of !	1/4 of Section	Weil Installed By: (Per	son's Name and Fin	
s Well A Point of Entorcement Std. Application? Yes No	Upgradient Downgradient	to Waste/Source Sidegradient Not Known	- Paul Bolner	<u>- E C 300</u>	ولد ـ
	ISL	1. Cap and		∑ Ys	<u> </u>
3. Well casing, top elevation ft. N	ISL		ve cover pipe:		
C. Land surface elevation f N	ISL	b. Leng	th:		-·-
O. Surface seal, bottom ft. MSL or	A. Serie	c. Male	rial:	Steel Other	-
12. USCS classification of soil near screen: SGP GM GC GW SW SP		d. Addi	tional protection?	Di Yes I	_
☐ SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH \			•	Bentonite	
13. Sieve analysis attached?		3. Surface 4. Material		Concrete	
14. Drilling method used: Rotary 2 50	\	4. Material	between well casing and pro	Cther li	•
Hollow Stem Auger 41	\		_	Bentonite [_
Other - Other	= \	(' L_	rmular space seal [
15. Drilling fluid used: Water 🔲 02 Air 🖾 01		5. Annuler		Other in Community Co	•
Drilling Mud 🗖 03 None 📮 99		:	Lbs/gal mud weight Ben		
6. Drilling additives used? Yes No		<u> </u>	Lbs/gal mud weight % Bentonite Benton	Bentonite slurry	口 3 团 5
Describe		2560	volume added for	any of the above	P4)
7. Source of water (attach analysis):	- 📓	How inst		Tremie [
pw #2	! 503 B			Tremie pumped Gravity	
.,		6. Bentonit	e seal: B	entonite granules [3
Bentonite seal, top ft. MSL or 198.	o ft.	6. Bentonit	4 in. 3/8 in. 1/2 in.	Bentomte peilets	3
Fine sand, top ft_ MSL or	** \ W1 *	7. Fine same	•	roduct name and me	_
Filter pack, top ft. MSL or 2 06 .	Z 10.	Volume a		3	
Well screen, top ft_ MSL or 2/9.			ck material: Manufacturer, p		
		Volume		3	,
Well screen, bostom fr. MSL or 2005		9. Well cas	•	/C schedule 40	_
Filter pack, bostom ft. MSL or 221	2 tr 💆		Plush Greaded P	/C schedule 80	_
Borehole, bottom ft. MSL or 232.0	2 ft.	10. Screen m Screen ry	per Schelle Fo	Factory cut 2	a i
Borehole, diameter 95 in.				Continuous slot [Other [_
. O.D. well casing _ 4 £ _ in.		Manufacti Slot size:	wer Outling Epoperts	- جهزا اس د 0.0	ים גר -
·		Slotted le	•	T.	Q . <u>Q</u>
LD. well casing _4.Q_ in			naterial (below filter pack):	None C Cther 2	_
nereby certify that the information on this for	m is true and cor			via =	-
manare() 4 / in O	Firm	^			
	E.C. Jos	43			

	God Location	 	AM. IN.	
Faculty/Project Name	Cita Location		Weil Name	
BAAP RIFS		ft 🖸 N. C S.	3-41-01B	
Faculty License, Permit or Monutoring Number		ft. 🗀 E. 🗆 W.	Miz Condus Mer Vinuos	DNK West No
Type of Weil Water Table Observation Weil 11	Section Location		Date Weii installed	115191
Piezometer 2 12	1/4 oi 1	1/4 of Section	<u> </u>	145194
Distance Weil is from WasterSource Boundary	- ,, ,		Weil installed By: (Person's	Name and rum)
NA ft.	T N. R	DEDW	Art Rodainez	
Is Weil A Point of Entorcement Std. Application?	Location of Well Keintly	Sicelanien Sicelanien Sicelanien		·
☐ Yes ☐ No	M Downerstient		Leyne Engran	mkl
			<u> </u>	ØY Ye □
A. Protective pipe, top elevation _833.451	L MSL	1. Cap and lo		Ω te Π ∵
B. Weil essing ton elevation 833 25	L MSL	2. Protective	• •	
b. Well casting, wheterappe = = = = = =	1	a. Inside di		_ 6 n.
C. Lind surface elevation _830 8	MSL	b. Length:		-6.4 =
		c. Material	Ŀ	Steet 💋 0÷
D. Surface seal bottom ft. MSL or				Other 🖸
12 USCS classification of soil near screen:		d Adding	tal protection?	A Ye 🗆
E CP CM CC CW CSW ESP	1 / 6	If were d	escribe byckin with	ta convert Park
DSM DSC DML DMH DCL DCH		IH \ \	<i>J</i> (Bentonite 🗆 30
☐ Bedrock	\	3. Surriace see	ů:	
13. Sieve analysis attached? Yes	<u>,</u> \	 		Concrete 💆 :
	- \ 1924			Other 🛚
14. Drilling method used: Rotary		*4. Material be	tween well casing and protectiv	• •
Hollow Stem Auger	11 \ 8			Bentonite 🔲 🤼
) al wall recorse circulation Other II	<u> </u>		Armuia	ur space seai 🖸
	·······) #			Other 🗆
Li. Drilling fluid used: Water 20 02 Air 🔟	0 1 🙀	5. Amular sp	and seeds Granuli	er Bentonite 🔲 3 3
Drilling Mud □ 03 None □	99 🙀		s/gal mud weight Bentonite	
16. Drilling additives used? Yes E?	. 9		e/gal mud weight Bent	
		 *	Bentonite Bentonite-c	
Describe			Ft ³ volume added for any o	
17. Source of water (anach analysis):	— I 📟	How install		Tremie 🔲 .
1 - · · · · · · · · · · · · · · · · · ·			Treat	nie pumped 🔲 0 🕆
1w #2		×		Gravity 🔁 0 🤋
	 -	6. Bentonite s	nale Renton	ine granules 🔲
2277 A VIEL 5	7.5 t	TRANS		
E. Benomite seal top _773.3 ft. MSL or _5	7.3 m/ 🛱		in. 03/8 in. 01/2 in. Benu	
	. 🔪 👹		monte storcy	
F. Fine sand, top ft. MSL or		7. Fine sand t	namial: Manufacturer, produc	at name and mesh s
-616			5000	
G. Filter pack, top 753 3 ft. MSL or 7	7.5 1	Voltame ade	dedft ³	_
_		& Filter pack	meterial: Menufacturer, produ	ct name and mesin =
H. Well screen, top 227 / ft. MSL or 19	3 1 m	CSS		
the man personal make the property of the personal person		Vonzme ad		
L Well screen, bottom 7171 ft. MSL or 1		9. Weil casin		chedule 40 🔲 23
L Well screen, bottom _ T / T] ft. MSL or]		7. Well Cash	Flush direaded PVC se	
I Filter nack bottom 717 (ft. MSL or 14)			PRINT DESIGNATION OF SE	
J. Filter pack, bottom	2.1 m	U \		Other 🛚 🗓
2171		10. Screen ma	mist PUC servedules	10
K. Borehole, bottom _7/7.1 ft. MSL or L.L.	J.1 🔍 🧾	Screen typ	E	Factory cax 😰 🚶
		<u></u>	Cons	timuous slot 🔲 🖰 🥛
L. Borehole, diameter 4 Q in.	122	~ .		Other 🛚 🖰
T. T. Westernament of the second seco	•	Manuface	- Manflex Inc	
W 00 mm 425 :		Slot size:		0010
M. O.D. well casing in.		Sloged len	eth:	78.6
3.75		\	-	
N. LD. well casing		`11. Backfill mi	merial (below filter pack):	None 🖼
				Other 🗆
I hereby certify that the information on this	form is true and co	errect to the best of m	v knowledge.	
Signature (1) (1) (1)	From A			
Kal (L Wester)	4/13/3	?-£5		

BHAP RIVES				
Famility/ritoject Name	Crid Location		Weil Name	
	<u> </u>	£ □ N □ S.	52N-41-016	
Facility License, Permit or Monitoring Number	1		Wis. Unique Weil Number	DNK Well Number
		ft. 🗆 E. 🗆 W.	e entre telephone en e	
Type of Weil Water Taoie Observation Weil [1]	Section Location		Date Weil installed	
Piezomera Z 12	1/4 of 1/4 .	of Caption	<u> </u>	<u> </u>
Distance Well is From WasterSource Boundary		or section	Weil installed By: (Person s	n a a v v
	TN. R	IE 🗆 W		
	Location of Weil Kelative to	WasterSource	Act Rodoverz	
Is Weil A Point of Enforcement Sta. Application?		☐ Sidegradient		11
U Ya E %		☐ Not Known	Layro Environ	mar hal
A. Protective pipe, top elevation _ 834.121	t MSL	1. Cap and lo	ck?	25 Ya 🗆 💥
624 42		2 Protective		
B. Weil casing, top elevation _ \$34.03	T War	2 Inside di	ameter:	_6.0 in.
U71A	- ver	b. Length:		6.0ft
C. Lind surface elevation _ 237.0	, vise	c. Material	:-	Steel 🗗 04
D. Surface seal, bottom ft. MSL or		A THE PARTY OF THE		Cther 🗆
12 USCS classification of soil near screen:			nei buomazions.	Q Ya Q No
□ CP □ CM □ CC □ CW □ SW ■ SP	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	/ If yes, d	escribe Buches Post	gravel and .
SM SC DML DMH DCL DCH		3. Surriace sea	1.	Bentonite 🔲 30
☐ Bedrock	\ \ ₩ ₩	, 1' 2m: acs sei	u .	Concrete Z 0:
13. Sieve analysis attached? Yes	√6 \			Other 🗆
14. Drilling method used: Rotzry 🛘	50 \ 💥 💥	4 Marchi be	ween weil casing and protect	
Hollow Stem Auger			and and and and brown	Bentonite 30
	··· \		A	
Drol well Rovers Circulation	01 01 00 01		Annu	njar zbace sear 🔽
		<u> </u>		Other 🗆 📜
15. Drilling fluid used: Water 20 02 Air		5. Annular sp	ace seal: Gram	ular Bentonire 🛛 33
Drilling Mod 🗆 03 None 🗆	99 🟻 🛱 🛱	Lb	s/gal mud weight Bentoni	ite-sand shurry 🔲 35
			s/gal mud weight Be	
16. Drilling additives used?	6 8 8		Bentonite Bentonite	
•			Ft 3 volume added for any	
Describe	🙀 🖼	How install		
17. Source of water (strach analysis):		YOM 3120TH	- 	". = "1"
			In	auric brimbeq 🗀 0.5
<u> </u>				Gravity 🖾 03
		6. Bentonite s	eal· Benu	onice granules 🔲 33
E Benomite seal, mp _7/1.6 ft MSL or 12		,	in. □3/8 in. □1/2 in. Ber	
E. Bentomile seal, mp _ LLL L			Bartonte sura	
F. Fine send, top ft_ MSL or	-:- <u>"\ \</u>	/. Pine sand i	naterial: Manufacturer, prod	nct name and mesh size
		/ /	none	· ·
G. Filter pack, top _426 Oft. MSL or 14		Volume ade	ded ft ³	<u>.</u>
		8. Filter pack	material: Manufacturer, proc	buct name and meth size
H. Well screen, top 6828 ft. MSL or 14	8.2	CSSI	silve Sand	
		Voiume ad	ded 4 63	
L Weil screen, bottom 672 St. MSL or 15		9. Well casin		schedule 40 🔲 23
T well attent pomping _G.T.T.T.T.T.T.T.T.T.T.T.T.T.T.T.T.T.T.T		<i>7</i> ,	Flush threaded PVC	
J. Filter pack, bottom _670.9 ft. MSL or L &			I man uncased i . C	
J. Filter pack, bottom _QL1 it MSL of L_3	1. L. C.	\	512 21 11	Other 🗓 🚊
1.7A G		≥ 10. Screen mai	erial: <u>PUC Schedulas</u>	
K. Borehole, bottom _470.9 ft. MSL or LL	0.1	Screen typ		Factory cut 🔼 11
			Co	ntinuous slot 🔲 0 [
L. Borehole, diameter 90 in.	1200	\ ·		Other 🛚 🚆
To the state of th		Mamifacou	# Monoflox	
M. O.D. well casing 425 in.		Slot size:	- <u> </u>	0.010 in.
		Slotted less	oth-	12.2 ñ.
3.75 (A)		\	~	
N. LD. well casing		`11. Backfill ma	sterial (below filter pack):	None 🖾
		<u> </u>		Other 🗆
I hereov certify that the information on this	form is true and corre	ect to the best of m	v knowledge.	
Signature /2//2 /	Firm 137			

MONITORING WELL CONSTRUCT

	Grid Location		Wed Name		
RAAD RT/FS		ft. 🗆 N.	[5. Sww. 91	-011)	
Faculty License, Permit or Monitoring Number		ft. 🗆 E.	Mis Dardne Me	in your !	DNK Well No
					<u> </u>
Type of Weil Water Tanie Observation Weil 11	Section Location		Date Weii instai	lea	
Piezometer 2012	1/4 of	1/4 of Section			14/9:
Distance Weil is From WasterSource Boundary			Well installed	y: (Person's Nan	ne and rum)
NA ft.	TN. R	<u> </u>		Rodricus	
Is Well A Point of Entorcement Sur. Application?	Desiron of Men Keistin	e to Waste/Source			
☐ Yes ETNo		☐ Not Known		Envisioner	nanhal
A. Protective pipe, top elevation _ 833.76			un una lock?		M Yes F
		_	rotective cover pipe:		
B. Weil casing, top elevation _ \$33.57 t	L MSL	7 HO /	laside dizmeter.		۶ک_
	Wet -	i	Length:		
		1 L	Materials		Steel 🗷
D. Surface seal bottom ft. MSL or	The state of the s	THE STATE OF THE S			Other 🔲
12 USCS classification of soil near screen:	1	小沙沙	Additional protection?		Ø Ye □
□ GP □ GM □ GC □ GW □ SW ■ SP	/ / [18/	If yes describe Richie	- 00 pts + =	שמלשמל
DSM DSC DML DMH DCL DCH	人	R//	•	- (Bentonite 🗆
☐ Bedrock	\ <u>\</u>	💥 \ `3. Sc	niace seal:	_	
13. Sieve analysis attached?	6 \ #			•	Other 🗆
14. Drilling method used: Rotary	io \	₩ \4.Ñ	arenai between well casin	e and protective o	
Hollow Stem Auger 4					Bentonise 🗆
Dual Well Reverse circulation I	· \			_	page seal [2]
Deal Mail Kasara Cirebiand	()			اد محصور	Other 🔼
15. Drilling fluid used: Water (502 Air)) t		mular space seal:	Granular E	
Drilling Mod □ 03 None □	9 🗒	~ J. A.	muter space seat:Lbs/gal mud weigh		
) 👹	= -			
16. Drilling additives used?	6 B	-	Lbs/gal mud weigh		
	\ \$	= -		dded for any of t	
Describe	🐰	*	ow ristalled:	MORO TOT MAY OF A	Tremie 🖸
17. Source of water (attach analysis):) - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1	Ti-	pumped [
Dw # 2				116456	Gravity 12
	== ₩				—
10,5		6. B	entonite seal:		grannjes 🔲
E Bentonite seal top 681 5th MSL or 15	ਨੇ' ਰ ਮ ∕ਂ ∰		口/4 亩 口3/8 声 口		
	\		20' Barbarte		
F. Fine send, top ft. MSL or		図 / プ. Fi	ne sand material: Manu	acturer, product a	same and mesh :
1115			- None		·~
G. Filter pack top	2.2	555 Z	olume added		
H Weil screen, top 643 4 ft. MSL or 18		1:::1	lter pack material: Menu		name and mesh
H. Well screen, top _Q12.7 ft MSL or L1	X.T E		(557 5.1.ca	5	
177 //		1.7	oiume added9		
L Well screen, bottom 633 4th MSL or 14	8.1 1	9. W	•	readed PVC sche	
(212			Flush t	readed PVC sche	
J. Filter pack. bottom 4313 ft. MSL or 20	O.2 II				_Other 🗔
6317		10. S	creen material: PUC	schalle 80	
K. Borehole, bottom 4313 ft. MSL or 20	2.2 €	S S	creen type:	_	CERTY CREE
		3		Continu	D tola enou
L. Borehole, diameter _1 Q in.					_Other 🛚
	•		muiscarer Manufles	<u>, Ixc</u>	
M. O.D. well casing 425 in.		/ 57	ot size:		0.019
3.75 OD		\ SI	oced length:		19.9
N. LD. well casing 4.0		`11. B	actfill material (below file	r peck):	None I
					Other
I hereby certify that the information on this	form is true and d	crrect to the be	st of my knowledge.		
Signature // // // // //	Fine 1			-	
Val Willent	1 00//5/	5-ES			

Facility/Project Name	Grid Location		(Weil Name	
RIAD RIVES		fL □ N. □ S.	Swx'- 91-02	
Faculty License, Permit or Monitoring Number		fr. 🖸 5. 🗆 W.	Wis. Unique Weil Number	DNK Well Number
خڪ هڪ خونه پيو. بيت مني رپ				
type of mon many range again.	Section Location		Date Weii installed	1221 91
Piezometer AT2 Distance Weil is from WasterSource Boundary	1/4 or1	<u></u>	m m Weil installed By: (Persons.	
111	TN, R	□ E □ W	Act Rode	.vame and rum)
Is Weil A Point of Entorcement Std. Application?	Location of Well Relative	© Sidegradient	_ /	
☐ Yes		_	Layne trusor	inizital
A. Protective pipe, top elevation _ \$36.60	i MSL	1. Cap and lo		Ø Yes □ No
B. Weil casing, top elevation _ 836.39 f	L MSL	2 Protective a Inside di	• •	_ 6 . 2 in.
C. Land surface elevation _ 834.4 1	MSL	b. Longth:		_6.2 ii. Steel 60 0 4
D. Surface seal, bottom ft_MSL or	A-	V.	_	Other []
12 USCS classification of soil near screen:			ual protection?	Ø Ye □ No
		If yes, d	escribe Buching Ports +	Ger-1324 .
D SM D SC DML D MH D CL D CH	/ 湯	3. Surface sea	d:	Bentonite 🔲 🔞
13. Sieve analysis attached? Yes	ا 🚆 🗼			Concrete & C.
14. Drilling method used: Rotzry	so \	4. Marchai be	tween well casing and protective	Other 🛚
Hollow Stem Auger Q	11		and the second are brosses.	Bentonite 🖸 30
Dral Wall Ramore Cisculation			Armul	ar space seal 🔯
		-		Other 🛚 🖳
15. Drilling fluid used: Water 202 Air 2 Drilling Mod 03 None 0		5. Amular sp		ar Bentonite 🔲 33
Drilling Mud 🔲 03 None 🚨			s/gal mud weight Bentonite	
16. Drilling additives used?	6		s/gal mud weight Beni Bentonite Bentonite-	
		<u> </u>	F(volume added for any (
Describe	🚆	How install		Tremie 🔲 0 :
17. Source of water (attach analysis):			Tres	rie pumped 🔲 0 🗅
PW #2		•		Gravity 🔼 0 s
2.0.0		6. Benwnize s		nice granules 📮 33
E Bentonite seal, top _2/83 ft. MSL or /!	6.2 th		in. 3/8 in. 1/2 in. Benu	
· · · · · · · · · · · · · · · · · ·	\		Bentanita Slury	
F. Fine send, top ft_ MSL or	6.2 th	//. Prine sand i	naterial: Manufacturer, produ	ct name and mesh size
G. Filter pack, top 482 ft. MSL or 13	6.2 0	Volume add		· • · · ·
		::: Z	meterial: Manufacturer, produ	et name and mesh az-
H. Well screen, top 491, 9 ft. MSL or 4	5.2 m			
L Well screen, bottom 68/9 ft MSL or 15		Voiume ad		chedule 40 🔲 23
[Well screen, borrow _007.1 It Mar or [2	2.2 "	y, well cash	g: Prish threaded PVC s	
J. Filter pack, bottom 479.4tt. MSL or 15	5 t		i man di cerca.	Other 🗓
		10. Screen mai	erial: Pulc Schadule	<u>80</u>
K. Borchole, bottom _4294 ft. MSL or 15	5 2	Screen type		Factory cut 🔯 11
			Con	tinuous slot 🔲 0 ;
L. Borehole, diameter _1 0 in.		$\overline{}$	14 51	Other 🛚
W 22 Puri #25.	•	Manufactum Slot size:	- Monstlex	
M. O.D. well casing _1.23 in.		Slotted len	gth:	1 3 ⋅ 0 ự
N. LD, well casing in.		\	sterial (below filter pack):	None 🔯
<u></u>			•	Other 🗓
I hereby certify that the information on this	form is true and co	rrect to the best of m	y knawledge.	
Signature ///	Fm 122	1		

Faculty/Project Name /	Cind Location		Weil Name	
RAA? RI/=5] _	ſĿ □ N. □ S.	15-11-71-02D	
Faculty License, Permit or Monitoring Number	1		Wis Unique: Weil Number	DNR. Well Number
. —————————————————————————————————————	l —————	& □ E □ W.	i yan yang kalabatan ili	g population gra
Type of Weil Water Table Observation Weil 11	Section Location		Date Weij installed	
				/골곱/낚수
Piezometer 🖸 12	1/4 of 1	/4 of Section	का ता	dd v v
Distance Well is From WasterSource Boundary	TN. R		Weil Installed By: (Person s	
NA fr	Location of Weil Kelative	TO Waster Source	Het Rodeinue	こ
Is Weil A Point of Enforcement Sig. Application?	☐ Upgratier	Sidegracient	1	
☐ Yes 22 No	(III Downgradient	☐ Not Known	Layre thurs	man hal
A. Protective pipe, top elevation 824.34		1. Cap and lo	Layne Environ	Ø V= 0 ×
16 : 10 mg - c bring - c - c - c - c - c - c - c - c - c -		2 Protective		M res □ '4
B. Well casing, top elevation _ 836.61	A MSL	a. Inside di	- 6 -6 -	_6.2 in
C. Land surface elevation _ 83.4.5	r MSL	b. Length:		€.2
D. Surface seal, bottom ft_ MSL or		c. Materia	r:	Steel 🔼 (
				Other 🛄 📜
12 USCS classification of soil near screen:	/ ******* /	Andrico & Addition	nal protection?	🖸 Ya 🛛 No
E CP CM CC CW CSW ESP	/ / / / / /	If yes o	Lescribe B. K. Pusts	+ active loved .
D SM D SC DML DMH D CL D CH		H \ \	J ,	Bentonite 🗆 3
☐ Bedrock	\	3. Surrace se	ai:	Concrete D 0:
13. Sieve analysis attached? Yes	v. \ ∰ ∣			
1	` \ 924 !	₩ \ 		Other 🛚 _
14. Drilling method used: Rotary		`4. Material b	etween weil casing and protectiv	
Hollow Stem Auger			·	Bentonise 🔲 30
Dal Well Reverse Circulation Peter 10	*** \ **		Annula	ur space seal 🗷
				Other 🔲 🐃
15. Drilling fluid used: Water \$202 Air	01 👹	5. Armular st		ar Bentonias 🗆 3
Drilling Mud [] 03 None []		•		
		wa	ss/gal mud weight Bensonis	
16. Drilling additives used?			se/gai mud weight Beni	
10. Diming and the case of the		-5 9	& Bentonius Bentonius⊲	
			Ft ² volume added for any o	of the above
Describe	——	How instal	led:	Tremis 🔲 0 '
17. Source of water (attach analysis):			Tres	nie pumped 🔲 g
NOB PW #7) 22	.		Gravity 🖾 08
		·	_	
ent to the second		6. Bentonite		nice granules 🖾 3 -
E Bentonite seal top _624. I ft MSL or 14		21/4 □	in. 3/8 in. 1/2 in. Bent	onite pellets 🔲 3
	0.7	X /		Other 🚨 🗀
F. Fine sand, top ft. MSL or	— 上 図	7, Fane sand	material: Manufacturer, produ	or name and mesh size
		8 //	nario	
G. Filter pack top 6741 tt. MSL or 14	046	You was	dedft ³	
G. Filter pack, top _UTT. I fil MSL or []				
H. Well screen, 100 459 5 ft. MSL or 17		iiil /	material: Manufacturer, produ	AT THE STATE THE STATE STATE
H. Well screen, top	· > .2	<u> </u>		
149		Volume x		
L Well screen, bottom 649 5 ft MSL or 18	٤ و الم	9. Well casis	_	_
	1:40		Flush threaded PVC s	chedule 80 🖾 24
I. Filter pack, bottom _4443 ft MSL or 11	0 2 R			Other 🗖 🐇
1, (Mr.)————————————————————————————————————		\	orial: Pi'c Schedule	—— ·
K. Boreboie borrow 4442 ft. MSL or 19	0 2 6.			
K. Borehole, bostom 477 & ft. MSL or 19	· · · · · · · · · · · · · · · · · · ·	Screen typ	_	Factory cut 🖾 11
		3 4	Con	cinnons slot 🗖 0
L. Borehole, diameter _ 4 .0 in.		_\ ·		Other 🛚 🙏
• –	•		Manarlar Manarlar	
M. O.D. well casing 425 in.		Slot size:	• • • • • • • • • • • • • • • • • • • •	0.0 10 in.
· · · · · · · · · · · · · · · · · · ·		Sloced les	agth:	19.01
N. LD. well casing 1.75		11 Rackfill on	usterial (below filter pack):	None D
N. LD. well casing		TT: Tamester or		Other 🗆
I hereby certify that the information on this		rrect to the best of n	TV Knowledge.	
Signature /	1 1 m	-ES		
fort 1. Control	911515	رے		

Facility/Project Name	Kind Location		Weil Name	
BAAP RI/FS		ft 🖂 N. 🗀 S.	5~W-41-033.	
Faculty License, Permit or Monitoring Number	1		Wis Unique Well Number	UNR Well Number
		ft. 🗆 E. 🗆 W.		<u> </u>
Type of Weil Water Taoie Observation Weil 11	Section Location		Date Weii installed	125191
Piezometer E 12	1/4 of 1/	4 of Section		1,5월,4
Distance Well is From WasterSource Boundary	TN. R	L t L M	Weil installed By: (Person's	
NA ft.	Location of Weil Keintive	to WasterSource	Act Bodayus	i
Is Weil A Point of Enforcement Sig. Application? [2] Yes [2] No	☐ Upgratient ☑ Downgratient	Sidegradient Not Known		
A. Protective pipe, top elevation _ 834.22		1. Cap and lo	Larre Environce?	Ø Yes □ No
B. Weil casing, top elevation _ 836.63		2. Protective	cover pipe:	
b. Will consider the fact of t		a. Inside di b. Length:		_ 6 .2 in. _€.2 ft
C. Land surface elevation _834.3		c. Materia		∑ 1 C Steel E 1 O -
D. Surface seal, bottomft_MSL or				Cther 🗆
12. USCS classification of soil near screen:			nal protection?	☑ Yes □ No
M GP GM GC GGW GSW MSP	/ / / / / /	I yes d	lescribe Comed Pad +	Bring Posts
SM SC SML MH SC SCH	/ 滑	3. Surrace sea	ul:	Bentonite 🔲 30
13. Sieve analysis anached?	/			Concrete 🗖 0:
	50	Marcani b	stween well casing and protecti	Other 🚨
14. Drilling method used: Rotary Hollow Stem Auger	A1 \	4, 5,22,0	stages and critical and brothers	Bentonite D 30
Deal Wall Reverse circulators I	······ \	#	Annu	iar space seal M
	````````\		<del></del>	Other 🚨
15. Drilling fluid used: Water 15 02 Air	01   👹 🖟	5. Armulær sp	nce seal: Granu	lar Bentonite 3 3
Drilling Mud 🗆 03 None 🚨	99		z/gal mud weight Bentonii	te-sand sharry 🔲 35
16. Drilling additives used?	, <u> </u>	<u> </u>	s/gai mud weight Ber	nonite shary 🔲 3 :
16. Drilling additives used?	·**	<u> </u>	Bentonite Bentonite-	cement grout 🔟 50
Describe			Ft ³ volume added for any	
17. Source of water (attach analysis):		How install		Tremie 🔲 0:
PW #2			110	mie pumped 🔲 02 Gravity 🖾 03
		6.8	t. Benn	
E Benzonite seal top 2667 ft MSL or _6		6. Bentonite :	in. [] 3/8 in. [] 1/2 in. Ben	
E. Bentomite seat, top	12.2	300	·	Other 🗹
F. Fine send, top ft_MSL or	- 🕰 🔪		material: Manufacturer, prod	
	No 50 41 01 999 No 12 .2 ft.	// 🛥	5 1 1 1 mg	
G. Filter pack top 246 5 ft. MSL or _ [	2.2	Volume ad		•
H. Weil screen, top 231 3 ft. MSL or 10	34 6 1	8. Filter pack	material: Manufacturer, produ	act trame and mean SIZE
H Well screen tob T77 T IT W2 T or 12		C-5-5 Voiume ad		
L Weil screen, bostom 7213 ft. MSL or 1/	34 0	9. Well casin		schedule 40 📮 23
•			Firsh streaded PVC:	
J. Filter pack, bottom _ 721 3 ft MSL or //	3.4 t	<b>\</b>		Other 🚨 💆
•		10. Scroen ma		80
K. Borehole, bottom _7213 ft. MSL or L(	.2.4 6~	Screen typ		Factory cut 🖺 11
		1	Con	winuous slot 🔲 0 i
L. Borehole, diameter 9.0 in.		\ ,	Monder In	Other 🗆 💆
M. O.D. well casing 425 in.	•	Slot size:	= LANDAR TOUR	a.elo in.
3.75		Slotted len	igth:	10.0 ft.
N. LD. well casing		11. Beckfill m	sterial (below filter pack):	None 🔎
				Other 🖸
I hereby certify that the information on this		rect to the best of m	v knowledge.	
Signature ////	Toron .	- 50		

•

. MONITORING WELL CONSTRUCTION

E	Grid Location	···	iWeil Name	
Faculty/Project Name RI/ES		ſL □ N. □ S.	3W-91-03C	
Faculty License, Permit or Monitoring Number			Wis. Unique Weil Number	UNK Well Nu
		ft 🗆 E. 🗆 W.		<u> </u>
Type of Weil Water Table Observation Weil 11	Section Location		Date Weil installed	1.3.3.19.1
Piezometer 💹 🖸	1/4 of1	/4 of Section	<u> </u>	/ 음급/숙수
Distance Weil is From WasterSource Boundary	TN. R	□ F □ W	Weil installed By: (Person s	
Is Weil A Point of Enforcement Sta. Application?	Location of Weil Keistive	to WasterSource	Art Rodrigues	<u></u>
Yes E %	Upgratient  Downgratient	Sidegratient  Not Known	Layre envisor	manhal
A. Protective pipe, top elevation _ \$36.24		_1. Cap and lo		Ø Yes 🗆 .
421.32		2 Protective	• •	
B. Well casing, up the and	1,5	a. Inside di b. Length:		_6.% t
C. Land surface elevation		o. Lengui.		_ ⊉ · L - Steed 1801 0 4
D. Surface seal, bottom ft_ MSL or				Cther 🗆
12 USCS classification of soil near screen:		d Addition	nal protection?	€ Ae 🗅 j
	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	I yes. d	escribe Gravel Pad 1	<b>_</b>
SM SC SML MH CL CH	<b>/</b>	3. Surface sea	ni:	Bentonite 🔲 36
13. Sieve analysis attached?   Yes	No \			Concrete 🖾 :
14. Drilling method used: Rotzry	50-	4. Material be	tween well casing and protective	
Hollow Stem Auger	41		• •	Bentonite 🗖 🔞 🤊
Dul wall Rouse Circletto			Annul	ar space seal 🗷
15, Drilling fluid used: Wast 12 02 Air 12				Obe
Drilling Mud 11 03 None		5. Armular sp		ar Bentonite
			s/gal mud weight Benomits s/gal mud weight Beni	
16. Drilling additives used?	<b>16</b>		Bentonite Bentonite <	
			Ft ³ volume added for my	
Describe  17. Source of water (strach snalysis):	<b> </b>	How install		Tremie 🔲 (
Charles of water (and a mary say).			Tres	ric pumped 🔲 07
- PW # 2	━━┛ 嬲		_	Gravity 🖬 03
E. Bentonite seal top _2/4 4 th MSL or 1 1	40.	6. Bentonite s		nice granules 🔲 3
E Bentonite seal top _Z/4.4 th MSL of I I	2.5 1	20'	in 03/8 in . 01/2 in Benu Booksoute Auro	
F. Fine sand, top ft_MSL or	8.0 th	7. Fine sand t	naterial: Manufacturer, produ	
		<b>/</b> /	9000	· · · ·
G. Filter pack, top 4764 ft. MSL or 13	8.2	Volume at		غ خ
H. Weil screen, top 681 8 tr. MSL or 15	. 4.	:::1 <i>-</i>	material: Manufactures, produ	et name and mesh 5 **:
H. Weil screen, top 681 & fr. MSL or 1	2.2	<u> (35)</u>		
L Well screen, bottom _67/ St. MSL or 1 (	946	Volume ad 9. Well casin		chedule 40 🗖 23
			Finals described PVC s	
J. Filter pack, bottom 471 & ft. MSL or 14	29 0		·	Other 🛚 🗓
1216		10. Screen ma	erial: PUC Tchadule	<b>-</b> 20
K. Borehole, bottom _67/8ft. MSL or 1	27 2	Screen typ		Factory cax E 1
		<b>2</b>	Con	cinuous slot 🔲 0
L. Borehole, dismeter _1.Q ist.		Manufactura	Monoflak Inc	Other 🗆 🚆
M. O.D. well casing _425 in.		Slot size:		0.016 i
3.75		Slotted len	gde	٠ <u>٠</u> و.
N. LD. well casingin_		11. Backfill m	uerial (below filter pack):	None 5
				Other □
hereby certify that the information on this			y knowledge.	
Signature (// )	AZK.			

Facility/Project Name Ginc	Location		Weil Name
BAAP RI/FS		ft □ N. □ S.	SWK-91-03D
Faculty License, Permit or Monitoring Number			Wis. Unique Well Number DNR Well Number
		ft	
Type of Weil Water Table Observation Weil [11] Sec	tion Location	****	Date Weil installed
	1/4 of 1	1/4 of Section	
Distance Weil is From WasterSource Boundary		<del></del>	Weil installed By: (Person's Name and rirm)
NA ft.	N, R	DEDW	Art Rodriquez
Is Well A Point of Entorcement Str. Application?	Upgradien:	☐ Sigestatrient	
☐ Yes <b>☐</b> No	Downgracient		Layne Environmental
A. Protective pipe, top elevation _ B31.09 ft. M	SL	I. Cap and lo	
972 00 6 W	SL —	2. Protective	• -
D. Will desire to the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state and the state an		a Inside di	
C. Lind surface elevation _ 8350 t M	SL	b. Langth:	-6 Q iz
D. Surface seal bottom fr. MSL or	- 1	c. Material	
			Cther 🗆
12 USCS classification of soil near screen:	7.7		nal protection?
		There	estiber grave 1 god + Butty rost ?
Bedrock	<b>( )</b>	3. Surface sea	Bentonite 3 0
13. Sieve analysis ameched?  Yes  No	\		
14. Drilling method used: Rotary 50		Marai ha	Other
Hollow Stem Auger 41	\		Bennonite  30
Dud walled more circulation II	······································		Annular space seal
Vol water form	····· ) 🔛		Other 🗆
15. Drilling fluid used: Water 22 02 Air 12 01		5. Amular sp	
Drilling Mod 🗆 03 None 🗆 99			s/gal mud weight Bentonite-sand shurry 3 5
			e/gal mud weight Bentonite slurry 3:
16. Drilling additives used?			Bentonite Bentonite-cement grout 2 50
			Ft ³ volume added for any of the above
Describe	-   🕮	How ristall	ed: Tremie 🗆 0 ;
17. Source of water (attach analysis):			Tremie pumped 🔲 0 🗅
PW # 2			Gravity 🖸 0 g
	2 &	6. Bentonite s	Bentonite granules 🔲 3 3
E Bentonite seal top 690 0 ft MSL or 145	2 12 💥	<b>□</b> 1/4 i	in. 🗆 3/8 in. 🗀 1/2 in. Bentonite pellets 🗀 3 🗅
•			Bontonile Sturry Other 18
F. Fine sand, top ft. MSL or		7. Fine sand a	naterial: Manufacturer, product name and mesh size
156		<b> </b>	none
G. Filter pack, top 459.8 ft. MSL or 275.		·····	led ft.3
1256 100		8. Filter pack	material: Manufacturer, product name and mesh 5122
H. Weil screen. top _6359 ft. MSL or 199		<u>C351</u>	Silica Sand
L Weil screen, bostom 6259 ft. MSL or 20 9		Voname ade	
L Weil screen, bostom _425.7 ft. MSL or 209.1		9. Well casin	g: Firsh threaded PVC schedule 40 🔲 23 Firsh threaded PVC schedule 30 📠 24
J. Filter peck, bottom 4259 ft. MSL or 209			<u> </u>
1. Filter peak, bottom _UES Z IL Mase of Zo 1.	. **		mist: PUC school le 80
K. Borehole, bottom _ 4259 ft. MSL or 201.		Screen type	
A porenous, bounds _ GF3.1 to Man 2 to 1.1	· ~	Screen type	Continuous slot   0 1
L. Borehole, diameter 1 9 51	\2	<b>2</b>	Other □
re transfer 1.7 or		Manufacture	Menaflex Inc
M. O.D. well casing 425 in.		Slot size:	0.010 in.
7.75.		Slotad Imp	pthe 10.9 ft.
N. LD. well casing #2 # in.		11. Bacicfil ma	nerial (below filter pack): Nove 22
···		·	Other [3]
I hereby certify that the information on this for	m is true and co	rrect to the best of m	
Signaire 24 2 CT	For Acres		

MONITORING	WELL	CONSTRUCTION FOR
MOIN I DIMING	***	CONSINCCION

	God Location		
Facility/Project Name BAAP RI/FS	CHIN ENCADOR	6 B V B C	Well Name SWN - 91-03 E
Facury License, Permit or Monitoring Number		ft	Wis. Unique Well Number DNK Well Ni
radily California		ft. 🗆 E. 🗆 W.	
Type of Weil Water Table Observation Weil 11	Section Location 1/4 of 1/4		Date West installed 11/10/91
Distance Well Is From WasterSource Boundary			Weil installed By: (Person's Name and Firm)
4/4	TN. R	⊒ E □ W	A. Rodriguez
Is Weil A Point of Enforcement Str. Application?	Location of Weil Keintive to Upgradient	☐ 2iqeBlaquest  O Masis\20ntcs	<del> </del>
☐ Yes          No	Downgradien:	☐ Not Known	Layne Environmenta"
A. Protective pipe, top elevation _ 837.56 ft	MSL	I. Cap and lo	
B. Well casing, top elevation 837.38 ft	MSL -	2. Protective a. Inside di	• •
C. Lind surface elevation _83 50 f		b. Length:	_ <b>_6</b> . A
D. Surface seal bottom ft_ MSL or			Cther C
12 USCS classification of soil near screen:		d Addition	ual protection?
□ GB □ GW □ GC □ GW □ ZW □ ZB		L year d	escribe Bucking Posts + Gravel Aud
SM SC SML MH DC. DCH		3. Surface sea	d: Bensonite 🔲 3
13. Sieve analysis attached?   Yes  N		\	Other 🖸
14. Drilling method used: Rotary E 5	o \	4, Material be	tween well casing and protective pipe:
Hollow Stem Auger 4	1 \		Bentonite 🔲 🤫
Dual-Wall Rev. Circ. Other D.	<b>==</b> \		Annular space scal
15. Drilling fluid used: Water 102 Air 10	.,   🗸 🕻	<u> </u>	Other 🖸
15. Drilling fluid used: Water 202 Air 20 Drilling Mud 203 None 29		5. Annular sp	
Simmy 31-2 203 11-02 -			s/gal mud weight Bentonite-sand sharry
16. Drilling additives used?	.   🗯		s/gsl mud weight Bentomite slurry  Bentomite Bentomite-cement grout
			Ft volume added for any of the above
Describe	—   <b>       </b>	How ristall	
17. Source of water (attach analysis):			Tremie pumped 🔲 🕠 🗀
BAAP Production Well #.	< \		Gravity 💆 0 :
		6. Bentonite s	·
E Benionite seal, top _6350 ft. MSL or 20.	<u>♀</u> .♀ セ~ 💥 🖁		in. 🖂 3/8 in. 🖂 1/2 in. Bentonue peilets 🖂 🔔 📜
	_ , \ 💹 🖁		nite Slurry on B
F. Fine send, top ft_MSL or		7. Fine sand i	naterial: Manufacturer, product name and mesh
G. Filter pack, top _6/50 ft MSL or 22	0.0 4 /2 1	Volume add	
H Well screen, top 607 / ft MSL or 22	70 .	1 /	material: Manufacturer, product name and mesh ""
H. Well screen, top _GOT. L ft. MSL or 3 4.	1.1 m	<u>CSS</u> 2	
L Well screen, bottom 597/ ft MSL or 23	79 6	Vonume ad	dect ~ 4.75 ft ² g: Finish threaded PVC schedule 40 a 2:
		, wen casu	Flush threaded PVC schedule 80 🔟 :
I. Filter pack, bottom 5770 tr. MSL or 35.	80 a_		Other 🗆
_		10. Screen may	erial: Schedule 80 PVC
K. Borehole, bostom _577.0 tr. MSL or 25	8.0 0	Screen type	
L. Borehole, diameter _ 5 . 5 in.		<u> </u>	Other 🗆
M. O.D. well casing _4.50 in.		Manufacour Slot size: Slotted len	$\frac{Mcnoflex, Inc.}{0.016}$
N. LD. well casing _3.75 in.		\	neerial (below filter pack): None D 10-20 Silica Sound Other MI
I hereby certify that the information on this	form is true and com		
Signature 4 / 4	Fiend		
R. Penletin	I ABB En	vironmental	Services, Inc.

Faculty/Project Name Co	d Location		Weil Name	
BAAP RI/B		ft 🗆 N. 🗆 S.	5WN-91-046	
Faculty License, Permit or Monutoring Number			Wis. Unique Well Number	DNK West Number
				1 (441)
Type of Weil Water Tanie Observation Weil [11] Se	ction Location		Date Weil installed	
Piezometer 🖫 12	1/4 of 1/-	of Section	<u></u>	2/43/94
Distance West is from WasterSource Boundary	N. R		Weil installed By: (Person	s Name and rum)
NA ft. 10	canon of Weil Keintive	TO Wester Source	Art Rodrigues	<u></u>
Is Well A Point of Enforcement 3rd Application:	☐ Upgradient	☐ Sidegracient	٠ .	_
☐ Yes	Downgratient		Layne Envir	
A. Protective pipe, top elevation _ \$35.07 ft. N	isl —	1. Cap and lo		☑ Yes ☐ No
B. Weil casing, top elevation _ §34 &7 ft. h	ISL —	2. Protective		
b. well casing, up distribute 2000	1	a. Inside di	incier.	_ <b>6</b> .0 m
C. Lind surface elevation _ §32.8 f N	ISL	b. Length:	_	_6.5 ft.
D. Surface seal, bottom ft_MSL or	A	C.Maria	•	Steel ☑ 0 ÷ Other ☑
12 USCS classification of soil near screen:		d Adding	ual protection?	I Ye I No
GP GM GC GW GSW ESP			scribe Budie Justs	
SM SC DML DMH DCL DCH		$H \setminus I$		Bentonite 30
☐ Bedrock	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	3. Surface sea	Ŀ	Concrete 2 0:
13. Sieve analysis attached?	\ ##			Other D
14. Drilling method used: Rotary 1 50	\	4. Material be	tween well casing and protec	
Hollow Stem Auger 41	\ <b>\ \ \ \ \ \ \ \ \ \</b>		<b></b>	Bensonite 🗆 30
Dud wall some condation Poter &	<b>= \</b> ■ <b>!</b>		Ann	niar space seai 🛭
				Other 🚨 📜
15. Drilling fluid used: Water 2.02 Air 20 01		5. Amular sp	ace seal: Gran	ular Bentonite 🔲 33
Drilling Mud 🗆 03 None 🚨 99		Lb	s/gal mud weight Benton	ite-sand shurry 🔲 35
A Day A Minima was 19 Three Barrier		Lb	e/gal mud weight Be	minnute slurry 🔲 3;
16. Drilling additives used?  Yes  27%		_5_%	Bentonite Bentonite	
Don-ib-			Ft ³ volume added for an	y of the above
Describe  17. Source of water (attach analysis):	-   🚆	How install	<del></del>	Tremie 🔲 0 !
·		1	Tr	eurse brambeq 🔲 0.5
1W#2	🐰 💥 🖡			Gravity 🗹 08
		6. Bentonite s	eal: Bent	onice granules 🔲 33
E Bensonise seal, top _ 708 6th MSL or 124.	고 ta ( ) 점 🖁	□1/4 i	n. □3/8 in. □1/2 in. Be	ntorute pellets 📮 32
•	2 6		Bontomete Slucy	
F. Fine sand, top ft. MSL or	_ ^_ \ 💥	7. Fine send n	naterial: Manufacturer, proc	buct name and mesh size
4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.		// —	none	~
G. Filter pack, top _682 G & MSL or 144:		Volume add		. •
H. Well screen, ton 678 & t. MSL or 154	<u> </u>	8. Filter pack	meetial: Menufacturer, pro	inci name and mesh size
H. Well screen, top 473 & & MSL or 154.		CSSI		
L Well screen, bostom 663.8t. MSL or 1 14		Volume add		schedule 40 🔲 23
[ Well screen. docum Yyj Y it mos a [ 1 ].		2. Well Cana	Flush threaded PVC	
I. Filter pack, bottom _6688 t. MSL or 164	0 2-			Other 🛮 🚆
1. Print pace, bottom 1431.2 minor 161.		10 5	mid: PUC Schadule	- FO
K. Borehole, bottom _668.8 ft. MSL or 164.	0 6	Screen type		Factory cut EL 11
L DORGOOK SOMME 2 2 2 2 1 2 1 2 2 2 3 .		<b>3</b>		nacinuous slot 🔲 0 :
L. Borehole, diameter 10 in.	\ <i>211</i>	<b>1</b>		Other 🗆
	-	Manufacture	Monsflor Inc	
M. O.D. well casing _4.25 in.	•	Slot size:		0. Q1 Q in.
7.35		Slotted leng	grin:	14.2 t.
N. LD. well casing		11. Backfill ma	earial (below filter pack):	None E
		-		Other □
I hereby certify that the information on this fo		ect to the best of m	v knowledge.	
Signature 21/2	Fm //20			

	Gnd Location		Weil Name	
344P RI 13		ft 🗆 N. 🗆 5.	Swill - 41 - 041)	
Faculty License, Permit or Monitoring Number		fL [] E. [] W.	Wis. Unique Well Number	DNK Well Nur C
	Section Location		<u> </u>	
Type of Weil Water Table Observation Weil 11	1/4 of 1/4	of Section	Date Weil installed	1841 <b>4</b>
Distance Well is from WasterSource Boundary			Wed inscaled By: (Person's	Name and Firm)
	T N. R	IE U W	Act Rodrigue	•
Is Weil A Point of Entorcement Sto. Application?	Location of Weil Relative to	☐ Sidegradient	_ ′	
C Yes C No		☐ Not Known	Laure Envisorm	nantal
A. Protective pipe. top elevation _ 835.40 ft	. MSL	1. Cap and lo		Ø Yes □ .
B. Well casing, top elevation		2. Protective	• •	_ <u>(a. 3</u> 57.
C. Land surface elevation _233.5 t	MSL_	b. Length:		_6.5
D. Surface seal bottom fr. MSL or		c. Material	Ŀ	Steel 🖸 🚅
			. 1	Cther 🔲
12 USCS classification of soil near screen:  St. GP GM GC GW SW SP			real protection?	d seri Ond
DSM DSC DML DMH DCL DCH				Bentonite 🛘 30
☐ Beckrock		3. Surrince sea	ul:	Concrete Z n:
13. Sieve analysis attached?   Yes   N	• \	\		Other 🛚
14. Drilling method used: Rotary [] 5	o \	4. Material be	etween well casing and protective	
Hollow Stem Auger 4	1 \			Bentonite 🔲 30
Deal Wall Rows Circulation to	== \ <b>■</b> ■		Annul	nt space seal
15. Drilling fluid used: Water 12 02 Air 12 0	1 📓 📓			Other 🛄 📑
Drilling Mud 03 None 0 9	9   8 8	5. Annular sp	nce seal: Granu n/gal mud weight Bentoniu	
			w/gal mud weight Beni	
16. Drilling additives used? I Yes I N	•   🚟 🗮		Bentonite Bentonite -	
l			Ft ³ volume added for any	
Describe	— I 🚆 🔛	How install		Tremis 🔲 🔻
11. Source of Wale (Man Man)			Tre	use brimbed (
PW 42		•		Gravity 🗹 0 s
136 5 15		6. Bentonite s	<del></del>	nice granules 🔲 📜
E Bensonite seal top 476 5 ft. MSL or 15		Z2'	in 13/8 in 11/2 in Bene Bentomite Sturry	onue petiets []
F. Fine sand, top ft. MSL or			naterial: Menufacturer, produ	
r. rms sant wh	-:- 一	//	None nous	COMME distributed
G. Filter pack, top 6565 ft. MSL or 17	7.0 1	Volume ad	ded ft ³	
		<b></b>	material: Manufacturer, produ	ct name and mesh size
H. Well screen, top 646 5 tr. MSL or 11	L.E 2 1 1	<u> </u>		
L Well screen, bottom 4345 ft. MSL or 14	-	Voiume ad		cheduie 40 🔲 23
L Well screen, bottom 4343 ft MSL or 11		9. Well casin	g: Phush directed PVC s Phush directed PVC s	
J. Filter pack, bottom 434.5t MSL or 12			LUMM CRAMMA L AC 2	Other 🗆 📱
•		10. Screen ma	mini: PUL schadule	70
K. Borehole, bottom 476.5 ft. MSL or 19	7.9 12	Screen typ		Fectory cut 🔳 11
				C 🗖 zola zvounii
L. Borehole, diameter _1.0 in.		\	- A C -	Other 🛚 🛴
M. O.D. well casing 4.25 in.	-	Manufactur Slot size:	Monorlex Inc	
M. O.D. well casing _4:42 in.		Sloced len	gth:	16.6
N. LD. well casing 4 1		1	merial (below filter pack):	None 🖾
			•	Other □
I hereby certify that the information on this	form is true and corre	ect to the best of m	y knawledge.	
Signature 707	- 1777 -	F5		
Low K. Kentre	77/2/2			

	Gnd Location		
· activity is to just the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same		Weil Name	
BAAP 21/-3	ft [] N.		
Faculty License, Permit or Monitoring Number	ft. [] E.	UW. Wis. Unique Well Number UNK	Weil Number
Type of Weil Water Tanie Observation Weil 11	Section Location	Date Weii installed	
Piezometer Z II	1/4 of 1/4 of Section		<u> </u>
Distance Weil Is From WasterSource Boundary		West installed By: (Person's Name and	1
MA ft.	TN.R DEDW		
Is Weil A Point of Entorcement Sto. Application?	Location of Weil Relative to WasterSource Upgratient Sidegradien	4	
☐ Yes ☐ No	Downgradient	e I Laure Environmental	
A. Protective pipe, top elevation _ \$32.80	L MSL	ap and lock?	Yes 🗆 No
B. Well casing, top elevation _ \$32.671	MSI - 2 P	rotective cover pipe:	4.0:
b. well coding up the code		. Inside diameter: . Length:	_6.2 in. _6.2 fc
C. <u>Cap</u> : C. Cap		•	ed 20 0-1
D. Surface seal bottom ft. MSL or			<b>=</b> 0
12 USCS classification of soil near screen:	1 Start Report		Ke 🗆 No
M GP I GM I GC I GW I SW M SP	/ / / / / / /	Myes describe Bucky Prito + 300	m body
O SM O SC OML OMH OC. OCH		errisce seel: Benron	<del></del>
1	\	Concre	ete 🖸 0:
13. Sieve analysis attached?	\ KG 550 \ _		e 🗆 📜
14. Drilling method used: Rotary 🖸 :		faterial between well casing and protective pipe:	
Hollow Stem Auger		Benton	
Dad will Rome circulation Other 1		Armular space so	_
15. Drilling fluid used: West 25 02 Air 25	.,         -		<b>=</b>
15. Drilling fluid used: Water 25 02 Air 25 0	5. A	Amular space seal: Granular Benton	
Dimmig.viol. C () Note: L	~ ( 📟 🖼 -	Lbs/gal mud weight Bentonite-sand shir	
16. Drilling additives used?   Yes	.   <b>99 89</b> -	Lbs/gal mud weight Bentonite slur	
	~   <b>**   *</b>   <b>*</b>	5 % Bentonite Bentonite-cement gro 4/ Ft ³ volume added for my of the abo	
Describe	\ 🚆 📆 📆	_	rve noie. □   0:
17. Source of water (attach analysis):		Tremie oumpe	. = ''
24 #2		• •	ect [] 0↑ uy 121 03
		·	
2010 3	(6.8	entonite seal: Bentonite granul	
E. Bensonite seal, top _ 7545 ft. MSL or _ 7		C1/4 in 3/8 in 11/2 in. Bentonue pelle	es 🔲 32
	\ 🗑 🗒 /	20' Burbonte Shreny On	E 63
F. Fine send, top ft. MSL or	01 99 6 H	me sand material: Manufacturer, product name a	nd mesh size
G. Filter nack, tord 7345 ft. MSL or _ 4			<del></del>
G. Filter peck, top			
H. Well screen, top 728 0 ft. MSL or 10		iter pack material: Manufacturer, product name a	THE MESSE SEE
H. Weil screen, top _ 725 O ft. MSL or 10		C55a Silica sound	
2.19 / a Met and /		Voltame addedft ³ Vell casing: Finsh threaded PVC schedule 4	40 🗖 23
L Well screen, bostom _7/80 ft MSL or [ (	5.3 "	Firsh threaded PVC schedule 8	
J. Filter pack, bottom 7180 ft. MSL or [ ]			
J. Filter pack, bottom _C_12.2 in Mac of [ ]	L.3	creen maserial: 300 School 80	
K. Borehole, bottom _718.0 ft. MSL or 11		creen type: Factory	COM E 11
F Boldwig Commer - FF 2 'F Wood of T ;	··· ·	Continuous si	
L. Borehole, diameter 9 g in.			ner 🛚 🖟
L. Borehole, diameter <u>10</u> in.	\ 3	lemiscourer Manuflex	
M. O.D. well casing _4.25 in.		lot size:	0.0 LO in.
m. v.d. wai casing _1,22 m. 	,	locad length:	10.0 ft.
N. LD, well casing 40 m.	•		ne 🛣
to real name promise " 1.7 " . nr	•		<b>E</b> 0
I hereby certify that the information on this	form is true and correct to the be		
MAIADA CALITIA RIST MA MINIMISMOLI OU (11)	1		

Faculty/Project Name	Gnd Location	<del></del>	Weil Name	
BAAP RI/FS		ft □ N. □ S.	SWN- 71-05C	
Faculty License, Permit or Monitoring Number		fr C E C W.	Wis. Unique: Weil Number	DNR Well Nur -
		14	Fermi Des <del> (Pores</del> D	
Type of Weil Water Taole Observation Weil 11	Section Location		Date Weil installed	111/9/
Piezometer DI	1/4 of 1/	4 of Section	<u> </u>	'বিব' কৈ
Distance Weil is From WasterSource Boundary	T N. R	O E O W	Weil inscaled By: (Person's	Name and rum)
Is Weil A Point of Entorcement Stat Application?	Location of Weil delative	to WasterSource	Act Roduinez	
Yes A No.	Upgradient  Downgradient	☐ Sidegradient ☐ Not Known	Layne Environ.	nershal
231011		1. Cap and k	ock?	Z Ys D
id itomatic big and in a management		_ •	cover pipe:	4 4
B. Well casing, top elevation _ 832.86 f	! 🗔	a Inside d		£.0 m.
C. Lind surface elevation		b. Length:		_6.€ Steed 🔼 🕹
D. Surface seal bottom ft_MSL or				Other 🗓
12. USCS classification of soil near screen:	1 200	d Additio	nal protection?	Ø Ye □
	/ / / /	It here	boothe gravel and t	
D Bedrock	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	3. Surriace sea	al:	Bentonite 🔲 🔞
13. Sieve analysis attached?   Yes  N	6 \			Concrete 55. ^:
14. Drilling method used: Rotary	o \	4. Marcui b	stween well casing and protectiv	
Hollow Stem Auger 4	1 523 6			Bentonite 🛘 30
Dunt wall Reverse Circulator 10			Annuja	r space seal 🗹
		<b>!</b>		Other 🖸
15. Drilling fluid used: Water 202 Air 20 Drilling Mud 103 None 12		5. Annular sp		r Bentonite D 33
Drilling Mod   03 None   1		u	ne/gal mud weight Bentonite	
16. Drilling additives used?   Yes  N	6   2	u	æ/gal mud weight Bent Bentonite Bentonite	
			Ft volume added for any of	
Describe	<b>#</b>	How instal		Tremie 🔲
17. Source of water (attach analysis):			Tren	tie pumped 📋 🖟
PW #2				Gravity 🔣 03
		6. Bentonite	seal: Benton	ite granules 🔲 🕐
E Bensonite seal, top _ 7226 ft MSL or 10	2.2 tz 👹	□1/4 <u>.</u>	in. □3/8 in. □1/2 in. Ben¤	nue peilets 🔲
	\ 🕮 🛭	20	Bentonik Sluing	
F. Fine send, top ft_MSL or	2.2 ft	7. Fine sand:	material: Manufacturer, produc	z name and mesh s
G. Filter pack, top _7026 ft MSL or 12		Volume ad		
H. Weil screen, ion 4938 ft. MSL or 13	70.		material: Manufacturer, produ	ct name and mean size
H. Well screen, top _472.0 ft MSL or _2		CSS. Volume se		
L Weil screen, bottom 483 & A. MSL or 14		9. Well casir		thedule 40 🔲 23
			Firsh threaded PVC se	
J. Filter pack, bottom 483 8 ft. MSL or 14	7.2 t	<b>\</b>	·	Other 🗖 📜
1020		10. Screen ma	erial: Pule Schools	<u>80</u>
K. Borebole, bottom _685.8 ft. MSL or 14	7.8 m	Screen typ		Factory out 🖸 11
4 4 4		<b>§</b>	Con	inuous slot [ (
L. Borehole, diameter _ 1.Q in.		\ \ \	Monoflex Enc	Other 🚨 📜
M. O.D. well casing 425 in.	•	Slot size:	- OVIN EX	0.016
7.75		Slotted les	igth:	19.6
N. LD. well casing		11. Backfill m	aterial (below filter pack):	None 🖽
				Other 🗆
I hereby certify that the information on this		rect to the best of n	v knowledge.	
Signature / /	SANTE	-55		
fort U. January	1970515	<u>-53</u>		

	God Location		31/ 13/	
1 40146911 1014611 17	Jna Location	6 - 7 - 7	Weil Name SWN - 7( -	and h
BAAP RI/ES Facility License, Permit or Monitoring Number		tr @ x @ 3.	Wis. Unique: Weil Nun	TOE DINK WELL NUMBER
Figure 1 and of months of the				oc Sire weartaine
Type of Weil Water Tapie Observation Weil 11 Piezometer 212	Section Location 1/4 of 1	/A of Section	Date Weil installed	10/40/11
Distance Weil Is From WasterSource Boundary			Weil installed By: (Pe	erson's Name and rum)
144	TN. R	□ E □ W	Act Roday	.4
Is Weil A Point of Enforcement Sta. Application?	Location of Well Asiative	to Waste/Source  ☐ Sidegradient	~ `	
☐ Yes ☑ No	Downgradient	☐ Not Known	Layra En	wommital
A Protective pipe, top elevation \$23.48 ft		1. Cap and 1	ock?	☑ Yes ☐ No
B. Well casing top elevation		a. Inside d	iameter:	6.0 in.
C. Land surface elevation _83L.2 f	MSL	b. Length		
D. Surface seal bottom fr. MSL or				Other 🗆
12 USCS classification of soil near screen:			mal protection?	⊠ Ye □ No
AGP GM GC GW GSW SP GSP GM GC GM GC GW GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC GM GC		If yes,  3. Surriace se	<b>J</b>	Bentomite 0 30
13. Sieve analysis attached?   Yes  N	, <b>\</b>	<b>#</b>		Concrete E 0:
14. Drilling method used: Rotary 5	\ 923	4. Marcai t	etween weil casing and p	Other C
Hollow Stem Auger 4	\ m 1			Bentonite 🔲 30
Dal Wall Revers Circulation E	=== <b>\</b> ■			Annular space seal 🔽
		<b>-</b>		Other 🛚 📜
15. Drilling fluid used: Water 12 02 Air 12 0		5. Annular s		Granular Bentonite 🔲 33
Drilling Mud □ 03 None □ 9			bs/gal mud weight B	
16. Drilling additives used?   Yes   N			bs/gal mud weight	
10. Driming about 10 Day 10			Bentonite Ben	
Describe	👹		Ft ³ volume added f	·
17. Source of water (attach analysis):		M UDW 15G	ner:	Tremie 🔲 01 Tremie pumped 🗓 02
AU #2		· ·		Gravity 🔲 03
E. Bentonite seal, mp 4732 ft MSL or 15	5 O 6	6. Bentonite	seal: .in. □3/8 in. □ 1/2 in	Bentonite granules  3 3  Bentonite pellets  3 3
E. Benionite seal, wp _Q12.5 in Wash of 12.	Z. :		Bontonite Sh	
F. Fine sand, top ft. MSL or	9 9 2			product name and mesh size
G. Filter pack, top 4531 ft. MSL or 17	EL an Ell	Volume =	kied	_ft ³
				r. product name and mesh size
H. Weil screen, top 640.7 ft. MSL or 11.	0.5 1	(55	ا مند ا	·
·		Voiume s		_ft ³
L Weil screen, bottom _630 7t. MSL or 20	g.5 f~	9. Well casi		PVC schedule 40  23
(.Z. )			Flush threaded	PVC schedule 30 💆 立
J. Filter pack, bottom 430 7 ft. MSL or 20	2.5 E			Other 🗆 🚊
K. Borebole, bottom428.8 ft. MSL or 2.0		<i>7</i> 3	ecertal: PUC School	
K. Borehole, bottom _USB. 2 ft. MSL or 2.0		Screen ty	pe:	Factory cut 1 1 1 Continuous slot 0 1
L. Borehole, diameter of a in.	\/	<b>2</b> .		Continuous slot
L. Borehole, diameter 1.0 in.		Manuface	mer Monaffex I	
M. O.D. well casing _425 in.		Slot size:		0.01Q in.
7 25 M		Slotted le	ngth:	10.0 ft.
N. LD. well casing		11. Backfill n	naterial (below filter pack	): None <b>2</b> 2
	form in true and an		av kaawladaa	One □
I hereby certify that the information on this Signature	Fam 1777	Treet to the best of t	ily killowiedde.	

Badger Army Ammunition Plant WELL DETAIL INFORMATION SHEET Baraboo, Wisconsin JOB NO. C 3742 BORING NO. 51101 Elev. 830.235 DATE 12/14/79 CHIEF RJR LOCATION N484,732,21 E2,06: 540,61 Elev. 828.2 All depth measurements of well detail to be from ground surface. DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE SE ____ FEET. DEPTH OF BOTTOM OF SEAL (if installed) 12'1" FEET. DEPTH TO TOP OF SEAL (if installed) _ 10' FEET. LENGTH OF PVC WELL SCREEN,
20 FEET. Feet Slotted [10] TOTAL LENGTH OF PIPE 50 @ 4ID IN. DIAMETER. TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Cave-In ____. CONCRETE CAP, YES (NO) (Circle One) HEIGHT OF WELL CASING ABOVE GROUND FEET. PROTECTIVE CASING? (YES) NO (Circle One)
HEIGHT ABOVE GROUND 3.3' NO (Circle One) LOCKING CAP? YES 10) TYPE OF BACKFILL: Cement-Bentonite Grout THICKNESS OF GRAVEL PACK None FEET. Cave-In 5.0 DEPTH TO FIRST COUPLING COUPLING INTERVAL 10.2 TYPE OF MATERIAL 13) TOTAL DEPTH OF BOREHOLE 80.0 FEET. GROUNDWATER DATE TIME | DEPTH TO WATER | ELEVATION BORING# S1101 2/19/80 65.98' 764.26'

Badger Army Ammunition Plant WELL DETAIL INFORMATION SHEET Baraboo, Wisconsin JOB NO. C 8742 BORING NO. 51102 Elev. 809.155 DATE 11/5/79 CHIEF HFS LOCATION N484, 691.76 E2,067,598.46 Elev.807.6 All depth measurements of well detail to be from ground surface. DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 64.60 FEET. DEPTH OF BOTTOM OF SEAL (if insta ed) 40.92 FEET. DEPTH TO TOP OF SEAL (if installed) 36.56 FEET. LENGTH OF PVC WELL SCREEN, 20.00 FEET. 19 Feet Slotted 10 TOTAL LENGTH OF PIPE 46.18 FEET @ 4 ID IN. DIAMETER. [11] TYPE OF FILTER MATERIAL AROUND WELL 3 POINT OR SLOTTED PIPE Medium Sand . (Circle One) CONCRETE CAP, YES 2 HEIGHT OF WELL CASING ABOVE GROUND 1.58 FEET. PROTECTIVE CASING? (YES) NO (Circle One) HEIGHT ABOVE GROUND (Circle One) LOCKING CAP? (JE2) TYPE OF BACKFU Cement/Bentonite Grout 3:1 by weight THICKNESS OF Gk...EL PACK 4.23 FEET. Cave In FEET. (TOC) DEPTH TO FIRST COUPLING COUPLING INTERVAL 15.26 FEET. TYPE OF MATERIAL 13) TOTAL DEPTH OF BOKEHOLE 65 FEET. GROUNDWATER DATE DEPTH TO WATER ELEVATION -BORING# TIME 13 \$1102 2/19/80 45.27' 763.89

Note: S1103 nearest sample boring

Badger Army Ammunition Plant WELL DETAIL INFORMATION SHEET Baraboo, Wisconsin

baraboo, wisconsin	JOB NO C 3742
	BORING NO. SI103
	809.205 DATE 11/2/79
	CHIEF HES
(8)	LOCATION N484,687.77 E2,067,591.00
	All depth measurements of well detail to be from ground surface.
	DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 120.11 FEET.
5	2 DEPTH OF BOTTOM OF SEAL (if installed) 109.79 FEET.
	3 DEPTH TO TOP OF SEAL (if installed) 107.25 FEET.
	LENGTH OF <u>PVC WELL SCREEN</u> , 5.05 FEET. <u>5.05</u> Feet Slotted
	5 TOTAL LENGTH OF PIPE 116.64 FEET @ 4 I.D. IN. DIAMETER.
	TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Medium Sand.
	7) CONCRETE CAP, YES (NO) (Circle One)
2	8 HEIGHT OF WELL CASING ABOVE GROUND 1.58 FEET.
4 6	9 PROTECTIVE CASING? YES NO (Circle One) HEIGHT ABOVE GROUND LOCKING CAP? (TES) NO (Circle One)
	10) TYPE OF BACKFILL: Cement/Bentonite Grout
	3:1 by weight  11) THICKNESS OF GRAVEL PACK 1.07 FEET.
Cave In	F ₇
TYPE OF MATERIAL	(12) DEPTH TO FIRST COUPLING 4.40 FEET. (1 COUPLING INTERVAL 10.2 FEET.
	(13) TOTAL DEPTH OF BOREHOLE 120 FEET.
	GROUNDWATER  BORING#   DATE   TIME   DEPTH TO WATER   ELEVATION
(13)	S1103 2/19/80 45.24 763.97
·	

Badger Army Ammunition Plant WELL DETAIL INFORMATION SHEET Baraboo, Wisconsin JOB NO. C 8742 BORING NO. S1104 Elev. 839.310' DATE 11/7/79 CHIEF HFS LOCATION N484,801.60 E2.071.095.05 Elev. 837_5' All depth measurements of well detail to be from ground surface. DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 93.52 DEPTH OF BOTTOM OF SEAL (if installed) 65.6 FEET. DEPTH TO TOP OF SEAL (if installed) 64.6 FEET. LENGTH OF PVC WELL SCREEN, 10 FEET. 18.92 Feet Slotted 20.22 TOTAL LENGTH OF PIPE 75.10 @ 4 I.D. IN. DIAMETER. 11 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Medium Sand . (NO) (Circle One) CONCRETE CAP, YES HEIGHT OF WELL CASING ABOVE GROUND FEET. 1.8 NO (Circle One) PROTECTIVE CASING? HEIGHT ABOVE GROUND (Circle One) LOCKING CAP? NO TYPE OF BACKFILL: Cement/Bentonite Grout 3:1 by weight THICKNESS OF GRAVEL PACK FEET. From Cave In DEPTH TO FIRST COUPLING 2.56 FEET. (TOC) COUPLING INTERVAL 10.2 FEET. TYPE OF MATERIAL TOTAL DEPTH OF BUREHOLE 96 FEET. GROUNDWATER BORING# DATE TIME DEPTH TO WATER ELEVATION 51104 2/19/80 75.20' 764.11' 13

Note: S1106 nearest sampled boring

Badger Army Ammunition Plant WELL DETAIL INFORMATION SHEET Baraboo, Wisconsin

	J	08 NO. C	3742	
	В	RING NO	S1103	
不 T Elev			1/2/79	
	CI	ILEF HES		
	LOCATION N484,	687.77 E2,	067,591.00	······
[1]	cv.807.6	th measure	ements of well deta	il ·
			surface.	····
	1 DEF	TH TO BOTT	TOM OF WELL POINT OF	R EET.
5	2 DEF		TOM OF SEAL (if ins	talled)
	3 DEF	TH TO TOP 107.25	OF SEAL (if instal) FEET.	ied)
10	) 4 LEN	GTH OF PVC 5.05 FE	WELL SCREEN, ET. <u>5.05</u> Feet S	lotted
	. 5 TOT	AL LENGTH 4 I.D.	OF PIPE 116.64 FIN. DIAMETER.	FEET
	6 TYP	E OF FILTE	R MATERIAL AROUND V TED PIPE Medium S	IELL and
	CON	CRETE CAP,	YES (NO)	Circle One)
	) (8) HEI	GHT OF WEL 1.58	L CASING ABOVE GROU	IND ·
	9 PRO	TECTIVE CA	SING? YES NO	(Circle One)
	ME!	GHT ABOVE KING CAP?	GROUND	(Circle One)
				•
¥   + (1	) (10) TYP	E OF BACKF	ILL: Cement/Benton 3:1 by weight	
	(11) THI	CKNESS OF	GRAVEL PACK 1.0	FEET.
Cave In	(12) DEP	TH TO FIRS	T COUPLING 4.40	From
TYPE OF MATERIAL			RVAL 10.2	FEET.
	(13) TOT	AL DEPTH O	F BOREHOLE 12	
	BORING#   DATE	TIME	DEPTH TO WATER	GROUNDWATER LEVATION
(13)	51103 2/19/8		45.24	763.97
	2,1370	1		
		1		
•			1	

Radger Army Ammunition Plant WELL DETAIL INFORMATION SHEET araboo, Wisconsin JCB NO. C 8742 BORING NO. S1106 Elev. 839.84 DATE 11/14/79 CHIEF HFS LOCATION N484,793.05 E2,071,101.83 Clev. 837_7 All depth measurements of well detail to be from ground surface. DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 135.72 FEET. DEPTH OF BOTTOM OF SEAL (if installed) FEET. DEPTH TO TOP OF SEAL (if installed) 119.55 FEET. LENGTH OF PVC WELL SCREEN, 10 4.96 FEET. 4.5 Feet Slotted TOTAL LENGTH OF PIPE 132.87 FEET @ 4 I.D. IN. DIAMETER. (11 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Medium Sand & Cave in Materia: CONCRETE CAP, (NO) (Circle One) YES HEIGHT OF WELL CASING ABOVE GROUND 2.1 FEET. PROTECTIVE CASING? YES NO (Circle One) HEIGHT ABOVE GROUND (Circle One) NO LOCKING CAP? TES 10) TYPE OF BACKFILL: Cement/Bentonite Grout 3:1 by weight THICKNESS OF GRAVEL PACK 7.8 11 From FEET. (TOC) Cave In 12 DEPTH TO FIRST COUPLING FEET. COUPLING INTERVAL 10.2 TYPE OF MATERIAL TOTAL DEPTH OF BUREHOLE FEET. 136 GROUNDWATER BOR ING# DATE TIME DEPTH TO WATER ELEVATION 13 764.101 S1106 2/19/80 75.74'

Badger Army Ammunition Plan araboo, Pisconsin	t WELL DETAI	L INFO	RMATION S	HEET	
igt appo? > 2coup in		JO	B NO	C_874Z	
		80	RING NO	S1107	
T = 1	ev. <u>812.156</u>	DA	TE 1/10	/80	
(9)		CH:	IEF HFS		
	LOCATION	N484,8	60.18 E2	.072.645.25	
	F1cv.810.1 A	ll dept	th measure rom ground	ements of <u>well de</u> i surface.	<u>tail</u>
	` (1			OM OF WELL POINT	OR FEET.
5	2	) DEPT		OM OF SEAL (if in	nstalled)
	3	) DEPT	H TO TOP	OF SEAL (if insta	alled)
	10 4	) LENG 	TH OF PVC	WELL SCREEN, ET. <u>18.80</u> Feet	Slotted
	. 5	) TOTA	L LENGTH	OF PIPE 55.43 IN. DIAMETER.	FEET
	<u>3</u>	) TYPE	OF FILTE	R MATERIAL AROUND	WELL & Medium San
	$\widehat{}$	) CONC	RETE CAP,	YES NO	(Circle One)
	2 8		HT OF WEL	L CASING ABOVE GR	COUND .
	6 9	' HEIG	ECTIVE CA HT ABOVE ING CAP?		(Circle One)
	1 (10	) TYPE	OF BACKF	ILL: Cement/Bento	
(XX)	$\mathcal{L}$	) THIC	KNESS OF	GRAVEL PACK 1	3:1 by weigh FEET.
Cave In  TYPE OF MATERIAL	12	DEPT	H TO FIRS		75 FEET. (TO
	(13	) TOTA	L DEPTH O	F BOREHOLE 7	'8 FEET.
	BORING#	DATE	TIME	DEPTH TO WATER	GROUNDWATER
(13)		/19/80	TIME	47.93	764.23
			•		
			<b>]</b>		

Badger Army Ammunition araboo, Wisconsin	on Plant WELL DE	TAIL INFOR	RMATION S	HEET	
graboo, wracoma		J00	NO	C 8742	
		BOR	ING NO.	\$1108	
本十十一	Elev. 782.971	DAT	E12/2	8/79	
	New York	CHI	EF <u>J. R</u>	ose	
(8)	LOCATIO	N N484,7	51.72 E2	,073,316.38	
ä	Flev.781.4	All <u>dept</u> to be fr	h measure om ground	ements of well deta I surface.	<u>ail</u>
				OM OF WELL POINT (	OR FEET.
5	-	2 DEPT	H OF BOTT	OM OF SEAL (if ins	stalled)
	-		H TO TOP .5	OF SEAL (if instal FEET.	led)
	_ <del>-</del>	4 LENG 20.	TH OF PVC	WELL SCREEN, ET. <u>19.01</u> Feet S	Slotted
		5 TOTAL		OF PIPE 20.44 IN. DIAMETER.	FEET
	3	6 TYPE	OF FILTE F OR SLOT	R MATERIAL AROUND TED PIPE Medium S	WELL iand -
		(7) CONCI	RETE CAP,	YES NO	(Circle One)
* 7	2	8 HEIGH		L CASING ABOVE GRO	UND .
	6	→ HEIGH	ECTIVE CA IT ABOVE ING CAP?	SING? YES NO ROUND 2.9'	<u> </u>
¥ []	1	(10) TYPE	OF BACKF	ILL: Cement Benton	
	8	(11) THICK	ENESS OF	GRAVEL PACK1.	3:1 by weight 5 FEET.
Cave-In TYPE OF MATERIAL	X			T COUPLING 10.2	FEET. (TO
		(13) TOTAL	DEPTH O	F BOREHOLE	42 FEET.
	BORING	DATE	TIME	DEPTH TO WATER	GROUNDWATER   ELEVATION
13	\$1108	2/19/30		18.92	764.05
			į		

araboo. Wisconsin JOB NO. C 8742 BORING NO. S1109 Elev. <u>856.734</u> DATE 2/14/80 CHIEF HFS LOCATION N488 536 15 F2 064 509 76 Elev. 854.7 All <u>depth</u> measurements of <u>well</u> detail to be from ground surface. DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 107 34 FEET. DEPTH OF BOTTOM OF SEAL (if installed) FEET. DEPTH TO TOP OF SEAL (if installed) LENGTH OF PVC WELL SCREEN, 10 20.38 FEET. 19.06 Feet Slotted TOTAL LENGTH OF PIPE 89 01 FEET @ 4 1 0 IN. DIAMETER. (11 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Medium Sand NO CONCRETE CAP. YES (Circle One) HEIGHT OF WELL CASING ABOVE GROUND 2.05 FEET. PROTECTIVE CASING? YES HEIGHT ABOVE GROUND NO (Circle One) (Circle One) LOCKING CAP? NO TYPE OF BACKFILL: Cement/Bentonite Grout 6: by weight THICKNESS OF GRAVEL PACK FEET. Cave In DEPTH TO FIRST COUPLING 7.42 FEET. (TC. COUPLING INTERVAL 10.21 TYPE OF MATERIAL FEET. JOTAL DEPTH OF BOREHOLE 108 FEET. GROUNDWATER BORING# DATE TIME DEPTH TO WATER ELEVATION 13 \$1109 2/19/80 87.18' 769.55'

"adger Army Ammunition Plant WELL DETAIL INFORMATION SHEET

Radger Army Ammunitio	on Plant WEL	L DETAIL INFOR	RMATION S	HEEF		
arabou, wracona in		JOB	3 NO	8742		
· .		BOR	ING NO	\$1110		
T T T	Elev. 813.	<u>183</u> DAT	E1/15/	80		
(9)	NO .	CHI	EF HFS			
(8)	LOC	ATION N486,47	76.12 E2	,073,302.11		
	Elev. 81	All dept	<u>h</u> measure om ground	ements of <u>well</u> i surface.	detail	
				OM OF WELL POI	NŤ OR FEET.	
5	<u>-</u>	2 DEPT	H OF BOTT	OM OF SEAL (if	installed) T.	
T E	-	3 DEPT	H TO TOP	OF SEAL (if ins	stalled)	
	10	4 LENG 20	TH OF PVC	WELL SCREEN, ET. 18.98 Fee	et Slotted	
				OF PIPE 44.41 IN. DIAMETER.	FÉET	
	3			R MATERIAL AROL TED PIPE <u>Medium</u>		
		7 CONCI	RETE CAP,	YES NO	(Circle One)	
* <b>T</b>	(2)	8 HEIGH		L CASING ABOVE FEET.		
	6	₩EIG	ECTIVE CA HT ABOVE ING CAP?	GROUND 2	NO (Circle One) NO (Circle One)	
		·(10) TYPE	OF BACKE	ILL: Cement/Ben		_
		(11) THICK	(NESS OF	GRAVEL PACK 3	5.6:1 by weig	
Cave-In XX	Ř	$\succ$		<del></del>		From
TYPE OF MATERIAL	ķ	(12) DEPTH	ING INTE	T COUPLING 3.0 RVAL 10.2	FEET.	(TOC)
		(13) TOTAL	DEPTH O	F BOREHOLE	 <b>66</b> FEET.	
		$\mathcal{O}$			GROUNDWATER	•
(1)	BORI		TIME	DEPTH TO WAT	ER ELEVATION	_
	<b>S</b> \$1110	2/19/80		45.76	767.42	
				•		
•			-			
•		·				

Radger Army Ammunition Plant HELL DETAIL INFORMATION SHEET araboo. Wisconsin JOB NO. C 8742 BORING NO. S1111 Elev. 848.892' DATE 1/2/80 CHIEF HFS LOCATION N487,413.09 E2,075,847.11 Elev. All <u>depth</u> measurements of <u>well detail</u> to be from ground surface. DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 99 FEET. DEPTH OF BOTTOM OF SEAL (if installed) FEET. DEPTH TO TOP OF SEAL (if installed) FEET. LENGTH OF PVC WELL SCREEN. 10 20.24 FEET. 18.92 Feet Slotted TOTAL LENGTH OF PIPE 20.93 FEET 0 4 I.D. IN. DIAMETER. (11) TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Medium Sand CONCRETE CAP, YES NO (Circle One) HEIGHT OF WELL CASING ABOVE GROUND FEET. PROTECTIVE CASING? YES NO (Circle One) HEIGHT ABOVE GROUND LOCKING CAP? (Circle One) TYPE OF BACKFILL: Cement/Bentonite Grout 5.6:1 by weight FEET. THICKNESS OF GRAVEL PACK From Cave-In FEET. (TOC DEPTH TO FIRST COUPLING TYPE OF MATERIAL COUPLING INTERVAL 10.23 FEET. 102 TOTAL DEPTH OF BOREHOLE FEET. GROUNDWATER BORING# DATE TIME DEPTH TO WATER ELEVATION 13 S1111 2/19/80 79.341 769.551

araboo, Wisconsin JOB NO. C 8742 BORING NO. S1112 Elev. 838.333 DATE 1/4/80 CHIEF HES LOCATION N409,049.07 E2,076,746.15 Elev.836.1 All depth measurements of well detail to be from ground surface. 1 DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 91.7_ DEPTH OF BOTTOM OF SEAL (if installed) FEET. DEPTH TO TOP OF SEAL (if installed) 10 LENGTH OF PVC WELL SCREEN, 10 20.26 FEET. 19.3 Feet Slotted TOTAL LENGTH OF PIPE 73.56 @ 4 I.D. IN. DIAMETER. (11 TYPE OF FILTER MATERIAL AROUND WELL 3 POINT OR SLOTTED PIPE Cave-in NO (Circle One) CONCRETE CAP. YES 2 HEIGHT OF WELL CASING ABOVE GROUND 2.1 FEET. PROTECTIVE CASING? (TES)
HEIGHT ABOVE GROUND NO (Circle One) (Circle One) LOCKING CAP? TYPE OF BACKFILL: Cement/Bentonite Grout 5.6:1 by weight THICKNESS OF GRAVEL PACK____ From Cave-in DEPTH TO FIRST COUPLING 2.2 FEET. (TOC; FEET. COUPLING INTERVAL 10.19 TYPE OF MATERIAL TOTAL DEPTH OF BUREHOLE FEET. GROUNDWATER BORING# DATE TIME | DEPTH TO WATER ELEVATION 13 2/19/80 **S1112** 65.38 772.95

WELL DETAIL INFORMATION SHEET

Radger Army Ammunition Plant

Badger Army Ammunition Plant WELL DETAIL INFORMATION SHEET araboo, Wisconsin JOB NO. C 8742 BORING NO. S1113 Elev. 821.621 DATE 11/23/79 CHIEF HES LOCATION N491,611.53 E2,079,573.54 Elev.819,9 All depth measurements of well detail to be from ground surface. DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 66.13 FEET. DEPTH OF BOTTOM OF SEAL (if installed) DEPTH TO TOP OF SEAL (if installed) FEET. 38 LENGTH OF PVC WELL SCREEN, 10 20.23 FEET. 18.91 Feet Slotted TOTAL LENGTH OF PIPE 47.60 FEET @ 4 I.D. IN. DIAMETER. (11 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Medium Sand . CONCRETE CAP, YES NO (Circle One)

4) (6)	HEIGHT ABOVE GROUND	:1e One)
		le One)
<u>+                                     </u>	(10) TYPE OF BACKFILL: Cement/Bentonite Gr	out by weight
	11) THICKNESS OF GRAVEL PACK 6	FEET.
Cave-In	12) DEPTH TO FIRST COUPLING 6.76	From FEET.(TOC
TYPE OF MATERIAL	COUPLING INTERVAL 10.19	FEET.
	(13) TOTAL DEPTH OF BOREHOLE 67	FEET.

1.70

BORING# DATE TIME DEPTH TO WATER ELEVATION

51113 2/19/80 47.34 774.28

HEIGHT OF WELL CASING ABOVE GROUND

FEET.

Radger Army Ammunition Plant WELL DETAIL INFORMATION SHEET araboo, Wisconsin JOB NO. C 8742 BORING NO. S1114 Elev.821.448 DATE 11/20/79 CHIEF HES N491,603.29 E2,079.574.42 LOCATION Elcv.819.7 All depth measurements of well detail to be from ground surface. DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 105.35 DEPTH OF BOTTOM OF SEAL (if installed) FEET. DEPTH TO TOP OF SEAL (if installed) FEET. LENGTH OF PVC WELL SCREEN, 10 FEET. 4.43 Feet Slotted 5.02 TOTAL LENGTH OF PIPE 102.03 FEET @ 4 I.D. IN. DIAMETER. (11 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Medium Sand . CONCRETE CAP, (Circle One) YES 2 HEIGHT OF WELL CASING ABOVE GROUND 1.7 FEET. PROTECTIVE CASING? (ES) NO (Circle One) HEIGHT ABOVE GROUND LOCKING CAP? (ES) 10) TYPE OF BACKFILL: Cement Bentonite Grout 3:1 by weight THICKNESS OF GRAVEL PACK 3.5 11 FEET. From Cave-In DEPTH TO FIRST COUPLING FEET. (TOC) 12) 9.08 COUPLING INTERVAL 10.2 FEET. TYPE OF MATERIAL TOTAL DEPTH OF BOREHOLE FEET. GROUNDWATER BOR ING# DATE TIME DEPTH TO WATER ELEVATION 51114 2/19/80 47.15 774.30

Radger Army Ammunition Plant WELL DETAIL INFORMATION SHEET araboo, Wisconsin JOB NO. C 8742 BORING NO. S1115 Elev. 863.667 DATE 12/14/79 CHIEF HFS LOCATION N490 444 29 F2 070 340 79 Elev.861.0 All depth measurements of well detail to be from ground surface. DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 110 FEET. DEPTH OF BOTTOM OF SEAL (if installed) 12'1" FEET. DEPTH TO TOP OF SEAL (if installed) 11 FEET. LENGTH OF PVC WELL SCREEN, 10 20.39 FEET. Feet Slotted TOTAL LENGTH OF PIPE 92 FEET @ 4 IN. DIAMETER. (11 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Medium Sand__. CONCRETE CAP, YES ) (Circle One) HEIGHT OF WELL CASING ABOVE GROUND FEET. PROTECTIVE CASING? YES NO (Circle One) HEIGHT ABOVE GROUND LOCKING CAP? TYPE OF BACKFILL: Cement/Bentonite Grout 5.6 to 1 by weight FEET. THICKNESS OF GRAVEL PACK___ DEPTH TO FIRST COUPLING 10.21 COUPLING INTERVAL 10.22 FEET. (T C TYPE OF MATERIAL TOTAL DEPTH OF BOREHOLE GROUNDWATER BOR ING# DATE TIME DEPTH TO WATER ELEVATION 13 5115 2/19/80 89.56' 774.11'

Note: S1116 nearest sampled boring

laraboo, Wisconsin JOB NO. C 8742 Elev. 862,610 DATE 12/13/79 CHIEF HFS LOCATION N490,445.70 E,2070,359.29 Elev. 860.4 All depth measurements of well detail to be from ground surface. DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 141.4 FEET. DEPTH OF BOTTOM OF SEAL (if installed) DEPTH TO TOP OF SEAL (if installed) 97 FEET. LENGTH OF PVC WELL SCREEN. 10 5.22 FEET. 4.55 Feet Slotted TOTAL LENGTH OF PIPE 138.32 FEET 0 4 IN. DIAMETER. 11 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Cave-In Medium Sand YES NO (Circle One) CONCRETE CAP. HEIGHT OF WELL CASING ABOVE GROUND FEET. PROTECTIVE CASING? YES HEIGHT ABOVE GROUND NO (Circle One) LOCKING CAP? (YES) (Circle One) TYPE OF BACKFILL: Cement-Bentonite Grout 5.6:1 by weight THICKNESS OF GRAVEL PACK 5 FEET. From FEET. (TOC DEPTH TO FIRST COUPLING 5.43 COUPLING INTERVAL 10.2 TYPE OF MATERIAL FEET. 13) TOTAL DEPTH OF BOREHOLE 141.5 FEET. GROUNDWATER BOR I NG# DATE TIME ! DEPTH TO WATER ELEVATION **S116** 2/19/80 90.65 771.96

Radger Army Ammunition Plant WELL DETAIL INFORMATION SHEET

Radger Army Ammunition Plant WELL DETAIL INFORMATION SHELT laraboo, Wisconsin JOB NO. C 8742 BORING NO. S1117 Elev. 864.660 DATE 2/13/80 CHIEF HFS N490,354.23 E2,066,372.44 LOCATION Elev.862_6 All depth measurements of well detail to be from ground surface. DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 119.07 FEE DEPTH OF BOTTOM OF SEAL (if installed) DEPTH TO TOP OF SEAL (if installed) 10 LENGTH OF PVC WELL SCREEN, 20.22 FEET. 19.06 Feet Slotted 10 TOTAL LENGTH OF PIPE 100.90 FEET 4 I.D. IN. DIAMETER. (11 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Medium Sand CONCRETE CAP, YES (Circle One) HEIGHT OF WELL CASING ABOVE GROUND 2.05 FEET. PROTECTIVE CASING? YES HEIGHT ABOVE GROUND 2 NO (Circle One) YES LOCKING CAP? (Circle One) NO TYPE OF BACKFILL: Cement/Bentonite Grout 6:1 by weight THICKNESS OF GRAVEL PACK 2 FEET. Cave-In FEET. (TOD 8.99 DEPTH TO FIRST COUPLING COUPLING INTERVAL 10.27 FEET. TYPE OF MATERIAL 120 TOTAL DEPTH OF BOREHOLE FEET. GROUNDWATER DEPTH TO WATER ELEVATION BOR I NG# DATE TIME | S1117 2/19/80 92.14 772.52

araboo, Wisconsin JOB NO. ___ C 87-12 BORING NO. STITE Elev.875.238 DATE 11/30/79 CHIEF HFS LOCATION N492,933.24 E2,072,320.48 Elev.872.8 All depth measurements of well detail to be from ground surface. DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 108.4 FEET. DEPTH OF BOTTOM OF SEAL (if installed) FEET. DEPTH TO TOP OF SEAL (if installed) LENGTH OF PVC WELL SCREEN, 20.23 FEET. 18.94 Feet Slotted 10 TOTAL LENGTH OF PIPE 90.56 FEET @ 4 I.D. IN. DIAMETER. (11 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Medium Sand. 3 CONCRETE CAP, YES (NO) (Circle One) 2 HEIGHT OF WELL CASING ABOVE GROUND FEET. PROTECTIVE CASING? (YES NO (Circle One) 6 HEIGHT ABOVE GROUND OM (Circle One) LOCKING CAP? YES TYPE OF BACKFILL: Cement/ Bentonite Grout THICKNESS OF GRAVEL PACK 5 FEET. From Cave-In 3.79 FEET. (TOC, DEPTH TO FIRST COUPLING COUPLING INTERVAL 10.2 FEET. TYPE OF MATERIAL 13) TOTAL DEPTH OF BOREHOLE 110 FEET. GROUNDWATER BORING# DATE TIME DEPTH TO WATER ELEVATION 13 S1118 2/19/80 99.75 775.49

WELL DETAIL INFORMATION SHILL

Badger Army Ammunition Plant

WELL DETAIL INFORMATION SHEET araboo, Wisconsin JOB NO. C 8742 BORING NO. STITE Elev. 879.871 DATE 1/22/80 CHIEF HFS LOCATION N496,201.38 E2,072,983.10 Elcv.877,6 All depth measurements of well detail to be from ground surface. DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 119.66 DEPTH OF BOTTOM OF SEAL (if installed) FEET. DEPTH TO TOP OF SEAL (if installed) LENGTH OF PYC WELL SCREEN, 10 20.07 FEET. 18.94 Feet Slotted TOTAL LENGTH OF PIPE 101 79 11 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Medium Sand 3 CONCRETE CAP, YES (Circle One) HEIGHT OF WELL CASING ABOVE GROUND 2.2 FEET. PROTECTIVE CASING? NO (Circle One) HEIGHT ABOVE GROUND LOCKING CAP? (YES) (Circle One) NO TYPE OF BACKFILL: Cement/Bentonite Grout 6:1 by weight THICKNESS OF GRAVEL PACK 3 Cave-In DEPTH TO FIRST COUPLING 9.90 FEET. (TOC TYPE OF MATERIAL COUPLING INTERVAL 10.21 FEET. TOTAL DEPTH OF BUREHOLE 121 FEET. GROUNDWATER BORING# DATE TIME | DEPTH TO WATER ELEVATION 51119 2/19/80 102.86 777.01

Tadger Army Ammunition Plant

Tadger Army Ammunition Plant WELL DETAIL INFORMATION SHEET araboo, Wisconsin JOB NO. C 9742 BORING NO. S1120 Elev. 879.906 DATE 1/17/80 CHIEF HES LOCATION N493,313.14 E2,075,597.06 Elev. All depth measurements of well detail to be from ground surface. DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 122.81 FEET. DEPTH OF BOTTOM OF SEAL (if installed) FEET. DEPTH TO TOP OF SEAL (if installed) LENGTH OF PVC WELL SCREEN, 10 20.18 FEET. 18.94 Feet Slotted TOTAL LENGTH OF PIPE 105.48 FEET @ 4 T.D. IN. DIAMETER. (11 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Medium Sand CONCRETE CAP, YES NO (Circle One) HEIGHT OF WELL CASING ABOVE GROUND 2.85 FEET. PROTECTIVE CASING? (YES) NO (Circle One) HEIGHT ABOVE GROUND NO (Circle One) LOCKING CAP? MES_ TYPE OF BACKFILL: Cement/Bentonite Grout 6:1 by weight THICKNESS OF GRAVEL PACK 2 From Cave-In · FEET. (TOC) DEPTH TO FIRST COUPLING 3.14 TYPE OF MATERIAL COUPLING INTERVAL 10.23 FEET. TOTAL DEPTH OF BOREHOLE FELT. GROUNDWATER BOR I NG# DATE TIME DEPTH TO WATER **ELEVATION** 13 S1120 2/19/80 104.54 775.37

Radger Army Ammunition Plant WELL DETAIL INFORMATION SHEET araboo, Wisconsin JOB NO. C 8742 BORING NO. 51121 Elev.815.733 DATE 1/18/80 CHIEF HFS LOCATION N496,296.77 E2,079.127.02 Elev.813.9 All depth measurements of well detail to be from ground surface. DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 59.3 FEET. DEPTH OF BOTTOM OF SEAL (if installed) DEPTH TO TOP OF SEAL (if installed) FEET. 11 LENGTH OF PVC WELL SCREEN,
20.19 FEET. 18.94 Feet Slotted 10 TOTAL LENGTH OF PIPE 40.92 0 4 I.D. IN. DIAMETER. 11 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Medium Sand . (NO ) (Circle One) CONCRETE CAP, YES HEIGHT OF WELL CASING ABOVE GROUND PROTECTIVE CASING? (ES)
HEIGHT ABOVE GROUND 1.8 NO (Circle One) NO (Circle One) LOCKING CAP? (YES) 10) TYPE OF BACKFILL: Cement/Bentonite Grout 6:1 by weight THICKNESS OF GRAVEL PACK 3 Cave-In FEET. (TO DEPTH TO FIRST COUPLING 10.23 COUPLING INTERVAL 10.23 FEET. TYPE OF MATERIAL 13) TOTAL DEPTH OF BOREHOLE 61 FEET. GROUNDWATER BOR ING# DATE TIME DEPTH TO WATER ELEVATION 13 51121 2/19/80 39.74 775.99

araboo, Wisconsin JOB NO. C 8742 BORING NO. S1122 Elev. 907 465 DATE 1/25/80 CHIEF HFS N500,702.29 E2,074,444.43 LOCATION Elcv. 904_8 All depth measurements of well detail to be from ground surface. DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 144 DEPTH OF BOTTOM OF SEAL (if installed) FEET. DEPTH TO TOP OF SEAL (if installed) FEET. LENGTH OF PVC WELL SCREEN, 10 20.18 FEET. 18.54 Feet Slotted TOTAL LENGTH OF PIPE 126.44 FEET 0 4 I.D. IN. DIAMETER. [11] TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Medium Sand .. 3 CONCRETE CAP, (NO (Circle One) YES HEIGHT OF WELL CASING ABOVE GROUND FEET. PROTECTIVE CASING? YES HEIGHT ABOVE GROUND NO (Circle One) LOCKING CAP? (Circle One) NO TYPE OF BACKFILL: Cement/Bentonite Grout 6:1 by weight FEET. THICKNESS OF GRAVEL PACK 2 From DEPTH TO FIRST COUPLING_ FEET. (TOC) COUPLING INTERVAL 10.20 TYPE OF MATERIAL FEET. TOTAL DEPTH OF BOREHOLE 144 TEET. GROUNDWATER BOR ING# DATE TIME DEPTH TO WATER ELEVATION S1122 2/19/80 128.70 778.77

"adger Army Ammunition Plant WELL DETAIL INFORMATION SHEET

Badger Army Ammunition Plant WELL DETAIL INFORMATION SHELT araboo, Wisconsin

		JUB	NU. C	3742	
		BOR	NG NO	S1123	
本 十一一一	lev. <u>869.025</u>			/79	
(9)			F_JR		
(8)	LOCATION	N494,50	0.23 E2	,062,374.27	
	Elev.867.0			ments of well det surface.	ail
		1 DEPTH	TO BOTT	OM OF WELL POINT 134.32	OR FEST.
5	(	2 DEPTH	0F BOTTO	OM OF SEAL (if in FEET.	stalled)
	(	3 DEPTH	TO TOP (	OF SEAL (if insta FEET.	lled)
	10 (	4 LENGT	H OF PVC	WELL SCREEN, 19.0 Feet	Slotted
	(	5 TOTAL	LENGTH (	OF PIPE <u>115.90</u> IN. DIAMETER.	_FEET
	(3)	6 TYPE POINT	OF FILTER	R MATERIAL AROUND TED PIPE <u>Cave-in M</u>	WELL aterial
	_ (	7 CONCR	ETE CAP,	YES NO	(Circle One)
	2 (	8 HEIGH		CASING ABOVE GR	OUND .
	6 (	→ HEIGH	T ABOVE (	GROUND	O (Circle One)
		LOCKI	NG CAP?	YES NO	(Circle One)
<u> </u>		10) TYPE	OF BACKF	ILL: <u>Cement/Bento</u>	nite Grout
[XXX]`	$\cdot$	11) THICK	NESS OF G	GRAVEL PACK	O.5 FEET.
Cave-In		$\succ$		-	Fro
TYPE OF MATERIAL	(	COUPL	ING INTER	COUPLING 1.50	FEET. (T'
	,	73 70741	DCDTH AC	. מסמכווסו כ	reet.
	,	13) TOTAL	טברווו טר	BOREHOLE 135	GROUNDWATER
	BORING#	DATE	TIME	DEPTH TO WATER	ELEVATION
(13)	\$1123	2/19/80		87.28	781.75
•					

araboo, Wisconsin JOB NO. C 8742 BORING NO. S1124 Elev.880.009 DATE____12/19/79 ____ CHIEF J. Rose LOCATION N497,938.40 E2,072,925.10 Elev.878_0 All depth measurements of well detail: to be from ground surface. DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE _ 128.77 ____ FEET. DEPTH OF BOTTOM OF SEAL (if installed) 10.00 FEET. DEPTH TO TOP OF SEAL (if installed) 9.0 10 LENGTH OF PVC WELL SCREEN, 20.16 FEET. 18.86 Feet Slotted TOTAL LENGTH OF PIPE 110.61 FEET @ 4 I.D. IN. DIAMETER. (11)TYPE OF FILTER MATERIAL AROUND WELL 3 POINT OR SLOTTED PIPE Cave-In Material & Medium San CONCRETE CAP, YES (NO) (Circle One) HEIGHT OF WELL CASING ABOVE GROUND 2.0 FEET. PROTECTIVE CASING? YES NO (Circle One)
HEIGHT ABOVE GROUND 2.0 (YES) NO (Circle One) LOCKING CAP? TYPE OF BACKFILL: Cave-in Material & Medium Sand 11 THICKNESS OF GRAVEL PACK -FEET. From Cave-In DEPTH TO FIRST COUPLING 8.61 COUPLING INTERVAL 10.21 FEET. (TOC. TYPE OF MATERIAL FEET. 13.) TOTAL DEPTH OF BOREHOLE 130.00 FELT. GROUNDWATER BOR ING# DATE TIME DEPTH TO WATER ELEVATION 13 **S1124** 2/19/80 100.19 779.82

WELL DETAIL INFORMATION SHEET

Radger Army Ammunition Plant

"adger Army Ammunition Plant ` WELL DETAIL INFORMATION SHEET araboo. Wisconsin JOB NO. C 8742 BORING NO. 51125 Elev. 896.070 DATE 12/27/79 CHIEF HFS LOCATION N496,507.67 E2,067,952.90 Elev.894.9 All depth measurements of well detail to be from ground surface. DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 126.3 DEPTH OF BOTTOM OF SEAL (if installed) FEET. DEPTH TO TOP OF SEAL (if installed) FEET. LENGTH OF PVC WELL SCREEN, 10 20.22 FEET. 18.91 Feet Slotted TOTAL LENGTH OF PIPE_107.29 FEET @ 4 I.D. IN. DIAMETER. 11 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Medium Sand . YES NO (Circle One) CONCRETE CAP. 2 HEIGHT OF WELL CASING ABOVE GROUND FEET. PROTECTIVE CASING? YES HEIGHT ABOVE GROUND NO (Circle One) 6 LOCKING CAP? NO (Circle One) TYPE OF BACKFILL: Cement/Bentonite Grout 5.6: I by weight THICKNESS OF GRAVEL PACK FEET. From Cave-In DEPTH TO FIRST COUPLING 5.00 FEET. (T: COUPLING INTERVAL 10.23 TYPE OF MATERIAL FEET. 126.5 TOTAL DEPTH OF BOREHOLE reut. GROUNDWATER BOR I NG# DATE TIME | DEPTH TO WATER ELEVATION [13] **S1125** 2/19/80 118.70 777.37

araboo, Wisconsin C 8742 JOB NO. \$1125 BORING NO. Elev. 877:146 DATE 2/11/80 CHIEF HFS LOCATION N500.012.88 E2.063.332.17 Elev. 874.7 All depth measurements of well detail to be from ground surface. DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 113.55 FEET. DEPTH OF BOTTOM OF SEAL (if installed) DEPTH TO TOP OF SEAL (if installed) FEET. LENGTH OF PVC WELL SCREEN, 10 19.86 FEET. 18.92 Feet Slotted TOTAL LENGTH OF PIPE 96.14 @ 4 I.D. IN. DIAMETER. (11 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Medium Sand . CONCRETE CAP, NO (Circle One) YES HEIGHT OF WELL CASING ABOVE GROUND FEET. PROTECTIVE CASING? YES HEIGHT ABOVE GROUND 2.45 NO (Circle One) YES NO LOCKING CAP? TYPE OF BACKFILL: Cement/Bentonite Grout 6:1 by weight THICKNESS OF GRAVEL PACK 3 Cave-In DEPTH TO FIRST COUPLING 4.28
COUPLING INTERVAL 10.21 FEET. (TOC) FEET. TYPE OF MATERIAL TOTAL DEPTH OF BUREHOLE 116.5 FEET. GROUNDWATER DATE ELEVATION BOR ING# TIME | DEPTH TO WATER 51126 2/19/80 89.68 787.47

WELL DETAIL INFORMATION SHEET

Padger Army Ammunition Plant

"adger Army Ammunition Plant araboo, Wisconsin	WELL DETA	AIL INFOR	MATION SH	<del>1</del> EET	
draudo, wisconsin .		JOB	NOC	3742	
		BOR	ING NO	\$1127	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	· <u>880.537</u>	DAT	E2	/8/80	
			EF <u>HFS</u>		
		N503.380	.50 E2,0	063,312.68	·
, i				ments of <u>well deta</u> surface.	<u>:1</u>
				OM OF WELL POINT OF	R ET.
5			OF BOTT	OM OF SEAL (if inst	called)
<u> </u>		,	1 TO TOP 10	OF SEAL (if install FEET.	ed)
	) (			WELL SCREEN, ET. <u>19.19</u> Feet Si	otted
		5 TOTAL @4	LENGTH	OF PIPE <u>56.82</u> F IN. DIAMETER.	EET
	)			R MATERIAL AROUND W TED PIPE <u>Medium Sa</u>	
		7) CONCE	RETE CAP,	YES NO (	Circle One)
<u></u> →	)	8 HEIGH		L CASING ABOVE GROU	ND .
1 1 6	)	→ HEIGH	CTIVE CA	GROUND 2.23	(Circle One)
		LOCKI	NG CAP?	YES NO	(Circle One)
	) (	10) TYPE	OF BACKF	ILL: Cement/Bentonii	
	• • • • • • • • • • • • • • • • • • • •	11) THICK	NESS OF	GRAVEL PACK_2	I:1 by weightFEET.
Cave-In TYPE OF MATERIAL	(			T COUPLING 5.70 RVAL 10.2	From
	(	13) TOTAL	DEPTH OF	F BOREHOLE 75	FCET.
	BORING#	DATE	TIME	DEPTH TO WATER	GROUNDWATER LEVATION
(13)		2/19/80	1 11,150		
	3112/	£/13/0U		65.51	815.03
,					

Radger Army Ammunition Plant WELL DETAIL INFORMATION SHEET araboo. Wisconsin JUB NO. C 9742 BORING NO. S1128 Elev. 879.486 DATE 12/19/79 CHIEF HFS LOCATION N504,039.19 E2,062,711.52 Elev. All depth measurements of well detail to be from ground surface. 1 DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 74.43 FEET. DEPTH OF BOTTOM OF SEAL (if installed) 11.25 FEET. DEPTH TO TOP OF SEAL (if installed) 10.25 LENGTH OF PVC WELL SCREEN,
20.39 FEET. 19.03 Feet Slotted 10 TOTAL LENGTH OF PIPE 56.34 FEET @ 4 I.D. IN. DIAMETER. 11 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Cave-In CONCRETE CAP, (NO )(Circle One) YES 2 HEIGHT OF WELL CASING ABOVE GROUND FEET. PROTECTIVE CASING? YES NO (Circle One)
HEIGHT ABOVE GROUND 2.4 (Circle One) LOCKING CAP? 011 TYPE OF BACKFILL: Cement Bentonite Grout 5.6:1 by weight THICKNESS OF GRAVEL PACK 3 11 From Cave-In DEPTH TO FIRST COUPLING ___ 5.2 FEET. (TOC COUPLING INTERVAL 10.2 FEET. TYPE OF MATERIAL TOTAL DEPTH OF BOREHOLE 75 FEET. GROUNDWATER BORING# DATE TIME DEPTH TO WATER ELEVATION 13 **S1128** 2 /19/80 56.22 823.27

Padger Army Ammuniti araboo, Wisconsin	on Plant	WELL DET	TAIL INFOR	MATION S	IEET	
araboo, #130005;			JOB	NOC	8742	
			BOR	ING NO	51129	
本	Elev	912.997	DAT	E <u>2/7/8</u> (	0	
	NO TO		CHI	EF	HFS	
(8)			N503,571	.75 E2,0	068,121.29	<del></del>
		cv.910 <u>.9</u> 7	All depti to be fro	neasure om ground	ments of <u>well deta</u> surface.	<u>i1</u>
		(	1 DEPTH SLOT	H TO BOTT	OM OF WELL POINT OF	R EET.
5	-	(	2 DEPTI 8	OF BOTT	OM OF SEAL (if ins	talled)
	-  -	(	3 DEPTH	1 TO TOP	OF SEAL (if instal	led)
-	10	) (	4 LENGT 20	TH OF <u>PVC</u> .01 FE	WELL SCREEN, ET. 19.02 Feet S	iotted
- 1 00	-	. (	5 TOTAL	LENGTH	OF PIPE 100.00 PIN. DIAMETER.	FEET
(11)	00 3	) (			R MATERIAL AROUND W TED PIPE <u>Medium Sa</u>	
		(	7) CONCE	RETE CAP,	YES NO	(Circle One)
	2	)		IT OF WELL	L CASING ABOVE GROU	IND .
	6	) (	→ HEIGH	CTIVE CAS IT ABOVE ( ING CAP?		(Circle One)
		\ (	10) TYPE	OF BACKE	ILL: Cement/Bentoni	ite Grout
		) ;	$\succ$		GRAVEL PACK 1	6:1 by weight FEET.
Cave-In	X	(	$\succ$		<del></del>	Fro
TYPE OF MATERIAL		(			T COUPLING 9.03 RVAL 10.22	FEET. (TE
	<b>%</b> [		$\frown$			
		(	<u> </u>		F BOREHOLE 120	GROUNDWATER
		BORING	DATE	TIME	DEPTH TO WATER	ELEVATION
(13)		\$1129	2/19/80		83.86	829.14
·						
			:			

"adger Army Amm	unition Plant	WELL DE	ETAIL INFO	RMATION S	SHEET	
araboo, Wiscon	sin ·			B NO		
					\$1130	<del></del>
不上本	7-01) E16	ev. <u>941.671</u>		-	7/79	
(9)				IEF_ HFS		<del></del>
(8)		LOCATIO			2.071,659.47	
		1 cv. 939.2	All dent	h measur	ements of <u>well deta</u> d surface.	il
			1 DEPT SLOT	H TO BOT	TOM OF WELL POINT O	R EET.
(5)			2 DEPT	H OF BOT	TOM OF SEAL (if ins	talled)
			3 DEPT	Н ТО ТОР 9	OF SEAL (if instal FEET.	led)
·		9	4 LENG 20	TH OF PYO	WELL SCREEN,	lotted
		,	5 TOTA	L LENGTH 4 I.D.	OF PIPE 106.64 I	FEET
(1)	0 00		6 TYPE	OF FILTE	R MATERIAL AROUND I TED PIPE Cave-In	VELL .
		ر ع		RETE CAP,		(Circle One)
		<i>-</i>	2	.5	L CASING ABOVE GROUFEET.	•
(1)		5) (	9 PROTI	ECTIVE CA HT ABOVE ING CAP?	SING? YES NO GROUND 3.62	(Circle One)
		<b>.</b>	$\bigcirc$		_	
*			$\succ$		ILL: Cement/Bentoni	3:1 by weight
_		- (	(11) THICH	KNESS OF	GRAVEL PACK 1	FEET.
Cave-In		(	12 DEPTH	TO FIRS	T COUPLING 4.52	Fro FEET. (TO
YPE OF MATERIAL			$\sim$		RVAL10_2	FEET.
	111/1	(	(13) TOTAL	DEPTH O	F BOREHOLE 125	FEET. GROUNDWATER
	1/2/2	BORING	<u> ÓATE</u>	TIME	DEPTH TO WATER	ELEVATION
(13)		\$1130	2/19/80		80.94	860.73

Note: S1131 Nearest sampled boring

J					_
Radger Army Ammunition Plant	WELL DETA	IL INFOR	MATION Si	IEET	
araboo, Wisconsin		JOB	NO	C 8742	
			ING NO.		
本 十 「一 「 Elev	. <u>942.690</u>	DAT	E12/6/	79	
(°)		CHI	EF J. Ros	se	
	LOCATION_	N504,6	12.08 E	2,071,642.61	<del></del>
	cv. 940.9	All <u>dent</u> to be fr	<u>h</u> measure om ground	ments of <u>well de</u> surface.	tail
				OM OF WELL POINT 153.49	
	(2	DEPTI 13	H OF BOTT 5.0	OM OF SEAL (if ir	estalled)
		,	H TO TOP	OF SEAL (if insta	lled)
10	)	LENG	TH OF PVC 20 FE	WELL SCREEN, ET. 4.6 Feet	Slotted
	(5	TOTAL	L LENGTH	OF PIPE 150 08 IN. DIAMETER.	_FEET
		TYPE	OF FILTE	R MATERIAL AROUND TED PIPE <u>Medium</u>	
	G	CONCI	RETE CAP,	YES NO	)(Circle One)
¥ _ 2		<		L CASING ABOVE GR	
		,	.79		OUND .
4	) (9	ノ HEIGi	IT ABGVE (		•
	_	LOCK	ING CAP?	YES NO	(Circle One)
¥   ;   ;   (1	) (1	O) TYPE	OF BACKE	ILL: <u>Cement/Bent</u> o	
	(1	1) THICH	KNESS OF (	GRAVEL PACK_5	6.5:1 by weight FEET.
Cave-In	1	2) DEPTH	TO FIRST	T COUPLING 5.80	FEET. (** FEET. (***
TYPE OF MATERIAL		_			
	(1	3) 101AL	. DEPIH OI	F BOREHOLE 155	FEET. GROUNDWATER
	BORING#	DATE	TIME	DEPTH TO WATER	ELEVATION
(13)	S1131	2/19/80		105.40	837.29
	1				

( )

Tadger Army Ammunition Plant WELL DETAIL INFORMATION SHEET araboo, Wisconsin

		J00	3 NO	8742	
		BOR	RING NO.	S1132	
TTTTTTE	v. <u>915.622</u>	DAT	TE 2/4/8	30	<del></del>
(9)           <b> </b>		CHI	EF HFS		<del>**</del>
(8)	LOCATION N	N502,46	4.29 E2,	072,997.91	<del></del>
	lev. 913.0 A	ll dept	h measure	ements of <u>well deta</u> i surface.	il
		DEPT SLOT	H TO BOTT	TOM OF WELL POINT O	R EET.
5	. (5	DEPT	H OF BOTT 9	OM OF SEAL (if ins FEET.	talled)
	3	) DEPT	H ₈ TO TOP	OF SEAL (if instal FEET.	led)
10	4	) LENG 	TH OF PVC .29 FE	WELL SCREEN, ET. 18.35 Feet S	lotted
	5	) TOTA	L LENGTH 4 I.D.	OF PIPE 140 I	FEET
11)	$\bigcirc$	) TYPE	OF FILTE T OR SLOT	R MATERIAL AROUND W TED PIPE <u>Medium Sa</u>	NELL nd
	7	CONC	RETE CAP,	YES NO	(Circle One)
<u></u>				L CASING ABOVE GROUFEET.	
4	9		ECTIVE CA	SING? YES NO	(Circle One)
			ING CAP?	GROUND 2.65 YES NO	(Circle One)
	) (10	TYPE	OF BACKF	ILL: <u>Cement/Bent</u> o	onite Grout
	$\mathcal{I}$	<		GRAVEL PACK 1	6:1 by weight
Cave-In	(12	<		T COUPLING 7.11	FEET. (T
TYPE OF MATERIAL		COUPL	ING INTE	RVAL 10.22	FEET.
	(13	TOTAL	. DEPTII OI	F BOREHOLE 160	FEET.
	BORING#	DATE	TIME	DEPTH TO WATER	GROUNDWATER ELEVATION
13		/19/80		136.45	779.17
			.		
•		l	l		I

Tadger Army Anumunition Plant	WELL DET	AIL INFOR	MATION SH	EET	
araboo, Wisconsin		JOB	NO. C	8742	
		BOR	ING NO.	\$1133	
T T T T Ele	v. <u>828_249</u>	DATE	2/19/	/80	
(9)		CHI	F HFS		
(8)	LOCATION	N494,74	4.69 E2	,064,454.40	<del></del>
	1cv.828.06			ments of <u>well deta</u> surface.	<u>i1</u>
	(	DEPTH SLOTT	TO BOTT	OM OF WELL POINT OF	R EET.
5	(	2 DEPTH	0F B0TT	OM OF SEAL (if inst	talled) -
	(		1 TO TOP (	OF SEAL (if instal) FEET.	led)
	9			WELL SCREEN, ET. <u>4.60</u> Feet S	lotted
	(	5 TOTAL	LENGTH	OF PIPE 92.03 I	FEET
				R MATERIAL AROUND WITED PIPE Medium S	
	_ (	7) CONCR	ETE CAP,	YES NO	(Circle One)
	2)	8 HEIGH		L CASING ABOVE GROU	, and
	5 (	→ HEIGH	CTIVE CAS IT ABOVE ( NG CAP?		(Circle One)
		10) TYPE	OF BACKE	ILL: Cement/Benton	nite Grout
	ソー)	$\succ$		GRAVEL PACK 3	5:1 by weight FEET
	(	$\succ$			:.
TYPE OF MATERIAL	(		TO FIRST	COUPLING 10.23	FEET. (*
	(	13) TOTAL	DEPTH O	F BOREHOLE 100	
	BORING#	DATE	TIME	DEPTH TO WATER	GROUNDWATER   ELEVATION
(13)	\$1133	2/19/80		64.64	763.61
•					_
				·	

本土于「门」)。Elev.	JOB NO. 4910 BORING NO. 5-83-1148  801.82 DATE 10-10-83 CHIEF R F Sarko and Associates, Inc.
(0)	LOCATION N 2,801,577 E 6,204,146
8	All depth measurements of well detail to be from ground syrface.
	DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 56.67 FEET.
	2 DEPTH OF BOTTOM OF SEAL (if installed) 27 FEET.
5	3 DEPTH TO TOP OF SEAL (if installed) 19 FEET.
	LENGTH OF PVC WELL SCREEN,  25 FEET. 25 FEET SLOTTED
10	5 TOTAL LENGTH OF PIPE 34 FEET 9 5 IN. DIAMETER.
	TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel
	7 CONCRETE CAP. YES NO (Circle One)
	8. HEIGHT OF WELL CASING ABOVE GROUND 2.33 FEET.
¥ <del>*</del> <del>*</del> <del>*</del> <del>*</del> <del>*</del> <del>*</del> <del>*</del> <del>*</del> <del>*</del> <del>*</del>	9 PROTECTIVE CASING? YES NO (Circle One)
	HEIGHT ABOVE GROUND 29 Inches LOCKING CAP? (TES) NO (Circle One)
	10 TYPE OF BACKFILL: Bentonite-Cement Mix
	THICKNESS OF GRAVEL PACK Screen FEET.
	DEPTH TO FIRST COUPLING 14 FEET (TOC) COUPLING INTERVAL 20 FEET.
CAVE IN	13) TOTAL DEPTH OF BOREHOLE 76.67 FEET.
MATERIAL	BORING #   DATE   TIME   DEPTH TO WATER   ELEVATION
	S-83-1148 5/5/ 2:05 From top of 762.62 PVC
(13)	39.2 feet

GEOLOGICAL & SOILS SURVEY AND GROUNDWATER MONITORING PROJ 3

SK-3932 SHEET 1 OF 6

١		JOB NO. 4910 BORING NO. <u>\$-83-1147</u>	
	19	Elev. 815.23 DATE 10-10-83 CHIEF R.F. Sarko and Associates, Inc. LOCATION N 3,021.422 E 5,149.283	•
1	8	All depth measurements of well detail to be from ground syrface.	
	a	DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 70.75 FEET.	
<b>.</b>		2 DEPTH OF BOTTOM OF SEAL (if installed)  41 FEET.	
	5 8	3 DEPTH TO TOP OF SEAL (if installed) 33 FEET.	
Ų.		LENGTH OF PVC WELL SCREEN,  25 FEET. 25 FEET SLOTTED	
		5 TOTAL LENGTH OF PIPE 48 FEET 9 IN. DIAMETER.	
		6 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Dea Gravel	
		7 CONCRETE CAP. YES NO (Circle One)  8 HEIGHT OF WELL CASING ABOVE GROUND	
1	<u> </u>	2.25 FEET.  9 PROTECTIVE CASING? (YES) NO (Circle One)	
-		HEIGHT ABOVE GROUND 2.42 feet LOCKING CAP? YES NO (Circle One)	
-		(10) TYPE OF BACKFILL: Bentonite-Cement  5 feet (11) THICKNESS OF GRAVEL PACK above screen FEET.	
-	<u>*</u>	DEPTH TO FIRST COUPLING 20 FEET (TO COUPLING INTERVAL one at 8' then 20 FEET.	
-	CAVE IN MATERIAL	TOTAL DEPTH OF BOREHOLE 90 75 FEET.  GROUNDHATER	
		BORING #   DATE   TIME   DEPTH TO WATER   ELEVATION:  S-83-1147   5/5/ 1:42   From top of   762.43	
	(13)	83 PVC	
<b>E</b> .		52.8 feet	

GEOLOGICAL & SOILS SURVEY AND GROUNDWATER MONITORING PROJECT . SK-3932 SHEET 1 OF 6

7				JOB NO. 4	910	
	. A	Flex	805.80	DATE 10-1	<u>5-83-1149</u>	<del></del>
	₹ <u></u>			CHIEF P F	Sarko and Ass	sociates Inc
i	(9)		LOCATION	N 3.252.536	E 7.110	671
i			All from	depth measure ground syrfa	ments of well det	ail to be
	T C		7 DEI	PTH TO BOTTOM	OF WELL POINT OR	T.
I			2 DEF	TH OF BOTTOM	OF SEAL (if inst	alled)
]	5		3 DEF	TH TO TOP OF	SEAL (if install	ed)
j.			4 LEN	GTH OF PVC WE	ELL SCREEN,	LOTTED
İ			5 701	AL LENGTH OF	PIPE 38 IN. DIAMETER.	FEET
j		00 00	6 TYP	E OF FILTER N	MATERIAL AROUND W PIPE <u>Pea</u> Grave	ELL
		3		CRETE CAP.		ircle One)
Ŧ			8.) HEI	GHT OF WELL (	ASING ABOVE GROUP 2.17 FEET.	ON
İ	* 7		9 PRO	TECTIVE CASINGHT ABOVE GRO	IG? YES NO DUND 28 inches	(Circle One)
,			LOC	KING CAP?	YES NO	(Circle One)
i			10 TYP	F OF BACKFILL	: <u>Rentonite-Ce</u>	
ł					5'abo	VA
	11		(11) THI	CKNESS OF GRA	VEL PACK screen	FEET.
ţ.	-X-		12 DEP COU	TH TO FIRST C PLING INTERVA	OUPLING 18	
<b>i</b> *	CAYE IN	<b>XXX</b>				<del></del> · , .
	MATERIAL		. (13) 101	AL DEPTH OF B	OREHOLE80.8	GROUNDWATER
	,	<b>※</b>	BORING #	DATE   TIME	DEPTH TO WATER	ELEVATION
i i			S-83-1149	5/5/2:20	From top of PVC	763.50
	13)			] }		
,				1	42.3 feet	
•	• •			1 1		
Ċ	•	•			-	
	1		•	•	• •	• • •

GEOLOGICAL & SOILS SURVEY AND GROUNDWATER MONITORING PROJECT SK-3932 SHEET 1 OF 6

• Elev	JOB NO. 4910  BORING NO. <u>S-83-1150</u> 895.81 DATE 10-10-83  CHIEF R.F. Sarko and Associates. Inc.  LOCATION N 14.918.656 F 8.243.989
8	All depth measurements of well detail to be from ground syrface.
	DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 135.25 FEET.
	2 DEPTH OF BOTTOM OF SEAL (if installed) 105 FEET.
(3)	3 DEPTH TO TOP OF SEAL (if installed) 97 - FEET.
	LENGTH OF PVC WELL SCREEN,  25 FEET. 25 FEET SLOTTED
	5 TOTAL LENGTH OF PIPE 113 FEET S. DIAMETER.
	TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel
3	7 CONCRETE CAP. YES NO (Circle One)  8. HEIGHT OF WELL CASING ABOVE GROUND
2	2.75 FEET.
	9 PROTECTIVE CASING? (ES) NO (Circle One) HEIGHT ABOVE GROUND 33 inches LOCKING CAP? (YES) NO (Circle One)
	TYPE OF BACKFILL: Bentonite-Cement 5' above
1	11) THICKNESS OF GRAVEL PACK <u>screen</u> FEET.  From  DEPTH TO FIRST COUPLING 13 FEET (TOC)  COUPLING INTERVAL 20 FEET.
CAVE IN	13 TOTAL DEPTH OF BOREHOLE 155.5 FEET.  GROUNDHATER
MATERIAL	BORING # DATE TIME   DEPTH TO WATER   ELEVATION
	S-83-1150 5/5/ 2:55 From top of 777.21 PVC
(13)	118.6'
· ·	

GEOLOGICAL & SOILS SURVEY AND GROUNDWATER MONITORING PROJECT . SK-3932

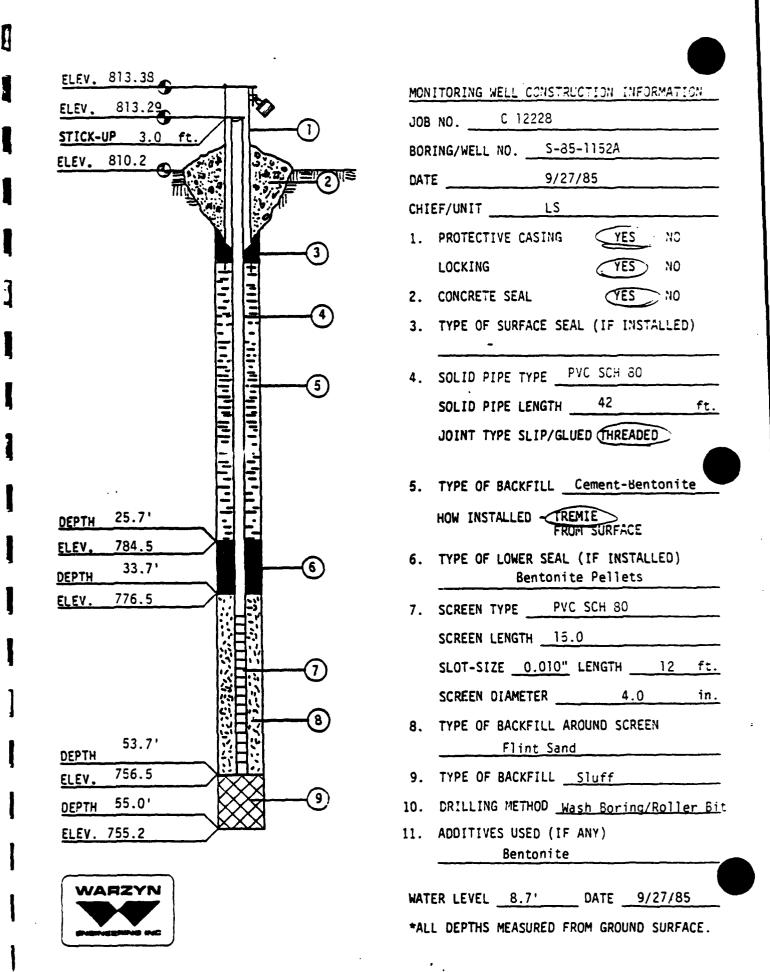
SHEET 1 OF 6

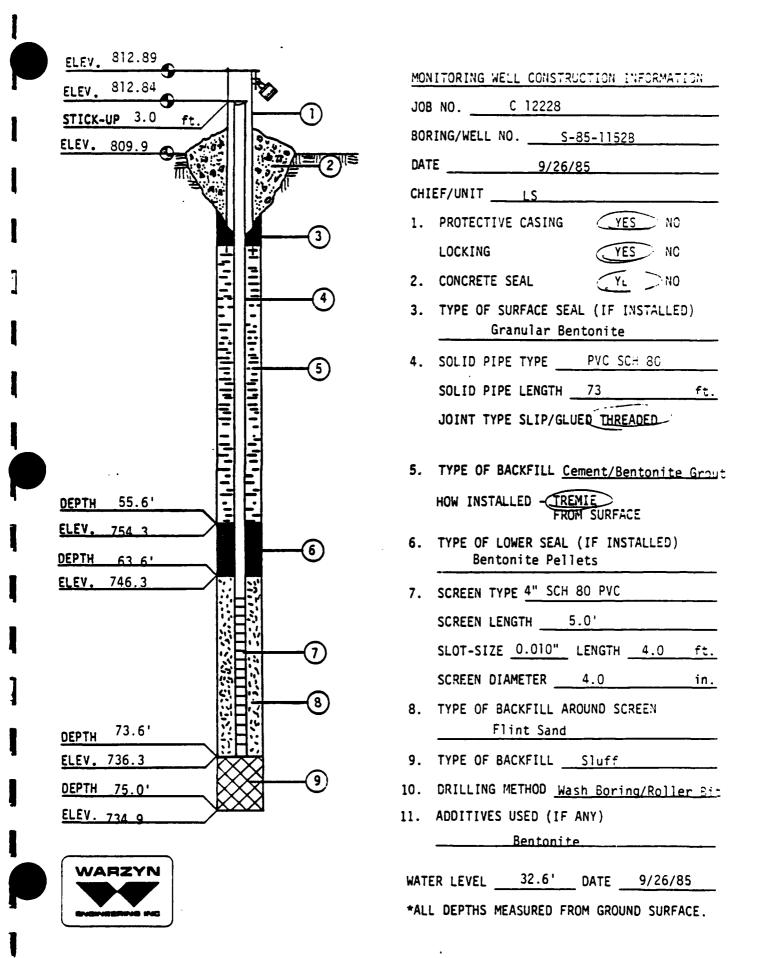
	JOB NO. 4910
** ***	893.33 DATE 10-10-83
	CHIEF R.F. Sarko and Associates, Inc. LOCATION N 21,898.327 E 12.254.520
3	All depth measurements of well detail to be from ground surface.
	DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 131.42 FEET.
	2 DEPTH OF BOTTOM OF SEAL (if installed) 101 FEET.
5	3 DEPTH TO TOP OF SEAL (if installed) 93 FEET.
	LENGTH OF PVC WELL SCREEN,  25 FEET. 25 FEET SLOTTED
10	5 TOTAL LENGTH OF PIPE 109 FEET 5 IN. DIAMETER.
	TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel.
	7 CONCRETE CAP. YES NO (Circle One)
	8. HEIGHT OF WELL CASING ABOVE GROUND 2.58 FEET.
<u> </u>	9 PROTECTIVE CASING? (VES) NO (Circle One) HEIGHT ABOVE GROUND 33 inches
	LOCKING CAP? (YES) NO (Circle One)
	TYPE OF BACKFILL: Bentonite-Cement 5' above
	THICKNESS OF GRAVEL PACK <u>screen</u> FEET.
	DEPTH TO FIRST COUPLING 9 FEET (TOC) COUPLING INTERVAL 20 FEET.
CAVE IN	TOTAL DEPTH OF BOREHOLE 151.42 FEET.  GROUNDWATER
MATERIAL .	BORING #   DATE   TIME   DEPTH TO WATER   ELEVATION
	S-83-1151 5/5/ 3:17 From Top of 779.63
	113.7
<b>3</b> .	
	,
<del></del>	

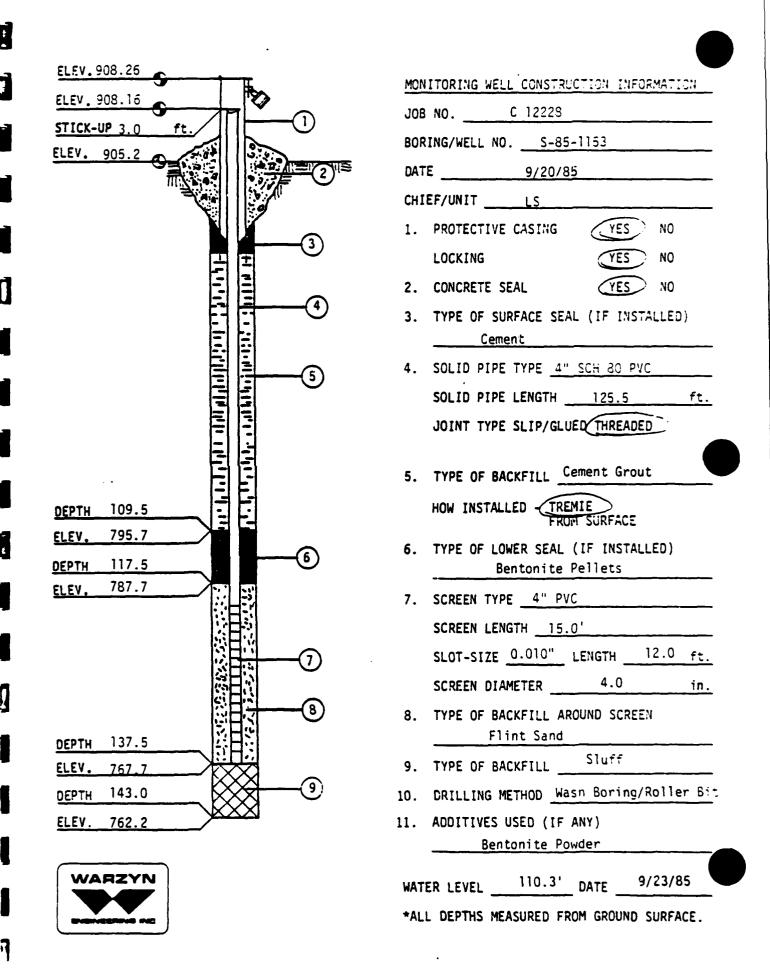
GEOLOGIC ' AND GROUND

. SK-3932 SHEET 1 OF

. . . . . . . .







ractuty/Project Name	Cad Location		Weil Name		
BASER AAP		fL □ N. □ S.	EW-91-073		
Pacity License, Permit or Monitoring Number			Wis Unique Well Number	LNR Weil Numo	De=
Type of Weil Water Table Observation Weil MI	Section Location	<del></del>	Date Weil installed		
Piezometer 🔲 12	1/4 oi 1/4	of Section	<u> </u>	뉴/옥출/ <b>옥</b> :	
Distance Well is from WasterSource Boundary	1		Weil installed By: (Person:	Name and rism)	
NA ft.	TN. R Location of Weil Kejalive to	JE DW	GARRY RODA	せいしょえ	
Is Well A Point of Enforcement Sta. Application?	Upgracient Upgracient	☐ Sinegranient			_
☐ Yes <b>E</b> . <u>No</u>		☐ Not Known	LAYNE	<del></del>	_
A. Protective pipe, top elevation _815.21	fl. MSL	l. Cap and lo	<del></del>	OF Ye C No	0
B. Weil casing, top elevation _ 89 5.88		2 Protective	F 'F		
D. Well casting up the last	, , , ,	a. Inside di b. Langth:		26.Qi	
C. Lind surface elevation _813.1	- MSL	o. Length.		<b>9.9</b> .02 f Steed EEF 0	
D. Surface seal bottom fr. MSL or		Vienes.	•	Other 🛘	, -
12 USCS classification of soil near screen:		d Addition	nal protection?	ØYe □ No	0
GP GM GC GGW GSW GSP			escribe Buckery Posts	+ GRAY PAS.	
D SM D SC DML DMH DCL DCH				Bentonite 🛘 3	3 0
☐ Bectrock	\	3. Surface sea	i:	Cancrete C 0	<b>)</b> :
13. Sieve analysis attached?   Yes	%• \			Other 🖾	
14. Drilling method used: Rotary	50 \ 💥 🧱	4. Marchai be	rween weil casing and protect		
Hollow Stem Auger	41 \ 🖁 👹			Bentonite 🗆 3	0
TUAL WALL Other OF			Annu	iar space seal 🗵	
				Other 🛚 💆	·
15. Drilling fluid used: Water [] 02 Air	01   8 8	5. Annulæ sp	ace seal: Gram	ular Bentonite 🛛 3	3
Drilling Mud 🖂 03 None 🚨	99	Lb	s/gal mud weight Bentoni	ite-sand shurry 🔲 3	5
		u	s/gai mud weight Be	ntonite slurry 🔲 3	3:
16. Drilling additives used?	No		Bentonite Bentonite		0
			Ft volume added for any	of the above	
Describe		How install		Tremie 🔲 0	):
3			Ta	murie brimbed 🔲 0	-
BRODUCTION WELL # Z				Gravity 📴 0	8 (
		6. Bentanite s	eal: Benu	onite granules 🔲 3	3
E. Bentonite seal, top _ 776.9 ft. MSL or LL	7.2 tz 💥 🗮		in 13/8 in 11/2 in Ber	ntorute pellets 🔲 3	
	\	BENT	ONTE POWDER	Other 🖙 💆	
F. Fine sand, top ft. MSL or	350 41 01 99	7. Fine sand a	naterial: Manufacturer, prod	nict name and mesh siz	ize
		/ _ NOW			٠
G. Filter pack, top _ 766 4 ft. MSL or/2	<b>おいま 一本 歌</b>	Volume add	iedft3	فغر ن	•
H. Weil screen, top _ 758.9 ft. MSL or / 1			material: Manufacturer, proc		2125
H. Weil screen, top _ 15 Y. Y ft. MSL or 12	13.2 m	CSS		#4	
1466 A MEL / A		Voiume ad		animalista 10 FT 2	23
L Weil screen, bottom _ 7489 ft. MSL or 14	3.5 一層	9. Well casin	~	schedule 80 2 2	
J. Filter pack, bottom _ 748 9 ft. MSL or /4			Print themen PAC	Ξ.,	
J. Filter pack, bottom _ 179.1 R. MSL or 7			CON SUN WIII	Other 🗆 🖫	-
K. Borehole, bottom 743 9 ft. MSL or	50 , M		resist: SCU 80 4"		-
K. Borehole, bottom _ ZI3.1 R. MSL of	·-·- " <b>~</b>	Screen typ			
			Co	Other 🖸 🖰	1
L. Borehole, diameter On D. D. in.		Manufactura	= MONOFIEX		-
W 00 04 25 5		Slot size:	7	0.010	in.
M. O.D. well casing 94.25 in.		Sloged len	gth:	ات کی ۱۵۰۵	:FF
N. LD. well casing 03.75 in.		\	sterial (below filter pack):	None 🖸	سي
ta un men espirit AT'LS pr			COUNDING SOIL	Other 🗗	
I hereov certify that the information on this	form is true and corre				
Signature / / / / / / / / / / / / / / / / / / /	Fem 100				

**5** 

	<del></del>			
	Location		Weil Name	
BADGER AAP		tr □ ¼ □ 3.	ELM-91-10	
Facility License, Permit or Monitoring Number		fr 🗀 E. 🗆 W.	Miz. Curdne Meri Vituoes	UNK WELL NIE
Type of Weil Water Tapie Observation Weil 2011   Sec	son Location		Date Weil installed	
••	1/4 of 1/4 of	Section	<u> </u>	153135
Distance Well is from wasterbource Boundary	·····		Weil installed By: (Person's	Name and rum)
NA ft. T	N. R D E	U W	6 RODRIG	U 2 7
Is Weil A Point of Enforcement Sta. Application?	☐ Upgratien: ☐	Sidegradient		
☐ Yes	Downgracient 🔲	Not Known	LAYNE	
A. Protective pipe, top elevation _ 223.16 ft. M.	SL —	I. Cap and loc		PYS []!
B. Weil casing, top elevation _923.64 ft. M.	SL — D	2. Protective of a Inside dia	• •	<b>04.0</b>
C. Lind surface elevation _920 8 f M	SL	b. Length:		26.9
D. Surface seal, bottom ft. MSL or		c Material:		Steet 🖭 U-
				Other 🔲
12 USCS classification of soil near screen:	No.	d Addition	al protection?	O Ye D !
		If yes, de	scribe: DUCATO 105	
Betrock	``` \	3. Surface seal	<b>:</b>	Bentonite 3
13. Sieve analysis anached?   Yes  No	\			Concrete Con-
14. Drilling method used: Rotary 50	\	4. Marciai ber	tween well casing and protects	Other 🖸
Hollow Stem Auger 41	\			Bentonite 3
WAL WALL PRY AIR OTHER BY			Annul	ar space seal 😰
	" ) <b>#</b>		·	Other 🗆
15. Drilling fluid used: West   02 Air   01		5. Annular spa	ca seal: Granui	ar Bentonite 🔲 3 3
Drilling Mod 🗆 03 None 🗆 99		•	/gal mud weight Bentoniu	
			gal mud weight Ben	
16. Drilling additives used? The			Bentonite Bentonite -	
<b>1</b> 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			Ft ³ volume added for any	of the above
Describe 17. Source of water (attach analysis):	-   🚆 🔛	How installe	xd:	Tremie 🔲 (
[			Tre	une brambed 🔲 0
PRODUCTION WELL # 2		•		Crawis 🔁 0 8
	***	6. Bentonite se	eal: Benton	nice gramules 🔲 3
E. Bentonite seal, top 2938 ft. MSL or 127	2 12 💥 👹	<b>2</b> 1/4 is	n. 🗆 3/8 in. 🗆 1/2 in. Bent	onite pellets 😰 3 .
		/		Other 🗖 💆
F. Fine sand, top ft MSL or		7. Fine sand m علام المحالم	aserial: Massifacturer, produ	ct name and mesh si
G. Filter pack top 287 Str. MSL or 2330	一直图	Volume add	,	
• • •		8. Filter pack	material: Manufacturer, produ	act name and mesh si
H. Well screen, top _ 281 . 8 ft. MSL or 239.		<u></u>	SI #4	
344.6		Volume add		
L Weil screen, bostom _ 766 8 ft. MSL or 1546		9. Well casing	•	
2// 4			Phush threaded PVC s	=
J. Filter pack, bottom _766.8 ft. MSL or 654.6		<u> </u>	4th Seve Sm	Other I
K Rombole horror 766.8 ft. MSL or 154.6		10. Screen man		
K. Borehole, bottom _ 794.2 ft. MSL or 221.9		Screen type		Factory out 1'
			Con	rinuous slot 🔲 0
L. Borehole, diameter 09 0 in.		·	MONOFIEX	Other 🛚
W OR WITH OUT OF SO	<b>,</b>	Manutacture Slot size:	Thurst ton	0.4LQ i
M. O.D. well casing QY, SQ in.		Slotted leng	rth:	19.0:
N. LD. well casing 03.75 in.		,	terial (below filter pack):	None 12
N. LD. well casing QZ.72 in.			mine forms more have).	Other
I hereby certify that the information on this for	n is true and correct	to the best of my	knowledge.	
Signature Continue and an information on this for	Fam 100			

. State of Wisconsin				
Department of Natural Resources	MONITORING WELL CONS Form 4400-113A	TRUCTION 3-39		
	irid Location   Well Name			
Backer Arm Amunition Hant	4.805.783.8 FE M. D.S. ELM-89-01			
Facility License, Permit or Monitoring Number	279 844.9 E. D. W. Wis. Unique Well Number	DNR We	ШN	umoe
Type of Well Water Table Observation Well EL11	ection Location Date Well Installed		==	<u> </u>
Piezometer 12	1/4 of 1/4 of Section	#14812	13	
Distance Well Is From Waste/Source Boundary  1) A ft.	T N. R E Well Installed By: (Person Location of Well Relative to Waste/Source Dupgradient Sidegradient	is Name and F	<u>imi)</u> ^	
Is Well A Point of Enforcement Std. Application?	ocation of Well Relative to Waste/Source	C.C. Jord	كبيد	<u> </u>
	☐ Downgradient ☐ Not Known			<u></u> -
A. Protective pipe, top elevation _ 922.88 ft.	2 Proteorius novembre	Z Ye	, 0	No
B. Well casing, top elevation $-922.23$ ft.	MSL a. Inside diameter:		۵.	
C. Land surface elevation _ 920.5 f		•		QfL
D. Surface seal, bottom ft. MSL or	ft. c. Material:	Steel	_	04
12. USCS classification of soil near screen:	d. Additional protection?	Other	_	No.
GP GM GC GW SW MSP	If yes, describe: 4 bushing Pas	<i>H</i>	_	
☐ Bedrock	3. Surface seal:	Bentonite Concrete	=	
13. Sieve analysis attached?  Yes  No	\	Other		٠.
14. Drilling method used: Rotary 5 0	4. Material between well casing and protect	• •	_	~-
Hollow Stern Auger 41 Other 55	\ <b> </b>	Bentonite ular space seal	_	30
	Crown	Other	=	1
15. Drilling fluid used: Water 1 0 2 Air 2 0 1 Drilling Mud 1 0 3 None 1 99	5. Annular space seal: Gran	ular Bentonite		33
	Lbs/gal mud weight Benton			35
16. Drilling additives used? Tes TNo	Lbs/gal mud weight Bentonite Bentonite	e-cement grout		3 1 5 0
Describe	± 370 ge   Fr volume added for an	y of the above		- 0
17. Source of water (attach analysis):	How installed:	Tremie	_	01
PW #2	3. Surface seal:  4. Material between well casing and protect  Arm  Crown  5. Annular space seal:  Lbs/gal mud weight Benton  Lbs/gal mud weight Bentonite  370 gal Tr volume added for an How installed:  Tr  6. Bentonite seal:  Bentonite seal:  1/4 in. \$\mathbb{B}3/8\$ in. \$\mathbb{B}1/2\$ in. Bentonite	ernie pumped Gravity	_	02 08
	6. Bentonite seal: Bent	onite granules	_	33
E. Bentonite seal, top $2951$ ft. MSL or $135$	. 4 ft. □ 1/4 in. □ 3/8 in. □ 1/2 in. Ber			
F. Fine sand, top W.A. ft. MSL or NA	7 Fine send material: A C	Other		
		luct name and i	nesh -	Size
G. Filter pack, top _ 7 & 9 . 9 ft. MSL or 130	Volume added NA ft 3			
H. Well screen, top	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		mesh -	1 \$1,75
. Well screen, bottom _ 255 5ft. MSL or 165	Volume added $\frac{3.5}{2}$ ft ³ 9. Well casing: Flush threaded PVC	schedule 40	п	23
	Flush the adad BVC			24
. Filter pack, bottom _ 2555ft MSL or 165		Other		
C. Borehole, bottom _ 255.1 ft. MSL or 165	10. Screen material: School fo AC Screen type:	Factory cut	<b>1</b> 0	7.
		ntinuous slot		01
Borehole, diameter 9.5 in.		Other		
M. O.D. well casing _ 4 5 _ in.	Manufacturer Linco Slot size:	<del></del> 0.	01	≙in.

hereby certify that the of rection on this form is true and correct to the best of my knowledge.

Signature

Firm E.C. Johnan Co.

N. LD. well casing

_4.D_

'n.

Please complete and return to 1. sues of this form as required by chs. 144, 147 and 100, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeinire of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147. Wis. Stats., failure to file this form may result in a forfeinire of not more than \$10,000 for each day of violation.

Slotted length:

11. Backfill material (below filter pack):

20.Qft.

None 🚨

State of Wisconsin Department of Natural Resources			ONITORING WELL CONST	RUCTION 8-39	)
Facility/Project Name	Grid Location	m	Well Name	^	
Balan Arm American Hart	4.865.748.3	A R N C S.	ELN-89-03		
Facility License, Permit or Monitoring Number	279,992.0	<b>Z</b> E. 🗆 W.	Wis. Unique Well Number	DNR Well No	mi
Type of Well Water Table Observation Well (\$11)	Section Location		Date Well Installed	2,22,89	· ·
Piezometer 🔲 12	1/4 of 1	/4 of Section		<del>^</del> <del>^</del> <del>2</del> <del>2</del> <del>2</del> <del>2</del> <del>2</del> <del>2</del> <del>2</del> <del>2</del> <del>2</del> <del>2</del>	
Distance Well Is From Waste/Source Boundary	TN, R	DFD W	Well Installed By: (Person		
NA ft.	Location of Weil Relative	to Wasie/Source	Dave H. Belan/	E.C. soroan	<u> </u>
Is Well A Point of Entorcement Std. Application?  Yes P No	☐ Upgradient ☐ Downgradient	☐ Not Known			
A. Protective pipe, top elevation 921.85		1. Cap and io		图 Yes 🛛	No
B. Well casing, top elevation 121.101	L MSL	2. Protective	• •	6.	. Qi
C. Land surface elevation912.4	MSL	b. Length:		_7.	.Qf
D. Surface seal, bottom ft. MSL or	n and	c. Materia	l:	Steel 25. Other 🗖	•
12. USCS classification of soil near screen:		d. Addition	nal protection?	, RYS D	_
ECOP DOM DOC DOW D SW ESSP	/ / !!	If yes, d	lescribe 4 bucking to	sts	
SM SC ML MH CL CH		3. Surface sea	ů: .	Bentonite 🛚	
13. Sieve analysis attached?  Yes  ?	√ \ ∭		(sax	Concrete   Other	
14. Drilling method used: Rotary	\ <u>***</u>	4. Material b	erween well casing and protec		
Hollow Stem Auger	<b>\</b> ma			Bentonite 🖸	3 r
Dual Wall Other B	<i>=</i> \		Cont Am	mlar space seal 🔲	
15. Drilling fluid used: Water 🔲 02 Air 🔼	01	5. Annulær sp	nce seal: Gran	Other Dentonity	3 3
Drilling Mud 🗆 03 Nane 🗖	99	L	s/gal mud weight Bentor	tite-sand shur	:
16. Drilling additives used? Yes			s/gal mud weight B		
			Bentonite Bentonite Bentonite Bentonite Bentonite		20
Describe		How instal	<del>,                                     </del>	Tremie 🗆	0
17. Source of water (attach analysis):			T	remie pumped 🙊	02
			•	Gravity 🔲	08
		6. Bensonite s	~	tonite granules 🔲	
E. Bentonite seal, top _ 291.4 ft. MSL or L2	2.0 m		in. 🛂 /8 in. 🗆 1/2 in. Be		32
F. Fine sand, top 194 ft MSL or 1	L (L)	7. Fine sand i	material: Mamufacturer, pro	Other □	 ch size
		Value and	NA		<b>M. JU</b>
G. Filter pack, top	3.0 1	W VOILURE BA	ded NA ft 3		
H. Well screen, top _780.4ft. MSL or L3	901	8. Filter pack	majerial: Manufacturer, pro	oduct name and mes	sh siz
		Volume ad	ded 4-30 ft ³		
I. Well screen, bottom _ 760.4 ft. MSL or 15	2.0 ft 1	9. Well casin	ig: Flush threaded PVC Flush threaded PVC		
I. Filter pack, bottom _760.4t MSL or L 5	9 0 ft		PRISH DIFFICES PV	Other 🚨	
0.50.44		10. Screen ma	terial: Schedule 50 f	الد_	
K. Borehole, bottom _ 252.4 ft. MSL or 6	0.0 ft	Screen typ		Factory cut	•
1 De delle France		<b>3</b>	C	ontinuous slot []	0 1
L. Borehole, diameter _ 9.5 in.		Manufactur	e linco	Oua <b>L</b>	
M. O.D. well casing _45_ in.		Slot size:			1 <i>5 iu</i>
		Slotted len	•		O.Oft
N. LD. well casing _4.2_ in		11. Backfill pr	sterial (below filter pack):	None Other	
I hereby pertify that the information on this	form is true and co				
Signature () / () ()					

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

State of Wisconsin Department of Natural Resources		MON Form	ITORING WELL CONS 4400-113A	TRUCTION 8-89	
Facility/Project Name	Grid Location	m M	ell Name		
Bedore Am Arombion Plant	Grid Location 4,805,747.6 -	E M I S.	ELN-89-03		
Facility License, Permit or Monitoring Number	250,007.9	E. OW.	vis. Unique Well Number	DNK Wat	i validoci
Type of Well Water Table Observation Well 11	Section Location		are Well Installed	411818	
Piezometer 2 12	1/4 of 1/4 of S	Section		411818	
Distance Well Is From Waste/Source Boundary	TN. R 🗆 E	nw l	Vell Insualled By: (Perso Jim Buss / E.	n's Name and Fu	m)
Is Well A Point of Enforcement Std. Application?	Location of Well Relative to Wa	sie/Source	JIM LYSS / E.	C. VORDEN	<u>. Co</u>
☐ Yes ☐ No	☐ Downgradient ☐				
	MSL	1. Cap and lock		¥ Ys	□ No
B. Well casing, top elevation 120.19 ft	MSL - S	2. Protective co	• •		G. Oin.
• •		b. Length:	AGUAE.		1.0ft
C. Land surface elevation		c. Material:			<b>Z</b> 04
D. Surface seal, bottom ft. MSL or	·- "\			Other	
12. USCS classification of soil near screen:		d. Additional	protection?	n ( DELYS	□ No
	/ /	If yes, des	protection?	Town.	
Bedrock		3. Surface seai:	_	Bentonise Concrete	
13. Sieve analysis attached? Yes N	。\ <b>        </b>		Cost	Other	
14. Drilling method used: Rotary 5	. \ 989 1929	4. Material betw	een well casing and prou		~
Hollow Stem Auger 4	1			Bentonite	
Other Ed		1	۔ سبد ہے	mular space seal	=
15. Drilling fluid used: Water 🔲 02 Air 🚨 0				Other	
Drilling Mud 03 None 9	9	5. Annular space	e seat:  pal mud weight Benu		_
1			al mud weight		
16. Drilling additives used?  Yes  N			entonite Benton		<b>5</b> 0
Describe			volume added for a	_	
17. Source of water (attach analysis):		How installed	•	Tremie Tremie pumped	
PW-#2				Gravity	
		6. Bentonite sea	1. Be	ntonite granules	_ ••
E. Bentonite seal, top _ 262.Oft. MSL or 15	60 ft.			•	
			ite stucy		
F. Fine send, top ft. MSL or	₹ n~ / 📓 📓 /	7. Fine sand ma	terial: Manufacturer, pr	oduct name and r	nesh size
G. Filter pack, top _ 252. Oft. MSL or / 6		Volume added	1 NA 4	3	•
•			uerial: Manufacturer, p		mesh sizr
H. Well screen, top _ 7 44.5 ft. MSL or 17:	3.5 1	Rose El	it Silve Filter.		-
• • • • • • • • • • • • • • • • • • • •		Volume adde			
I. Well screen, bottom _ 739 .5 ft. MSL or 1 12	2.5 [1]	9. Well casing:	Flush threaded PV Flush threaded PV		
I. Filter pack, bottom _ 232. St. MSL or 12	7 Ch_		Little discrete L A	Other	_
		10. Screen mater	ial: schoole 80		
K. Borehole, bottom _ 237. Oft. MSL or LE	1.0 ft.	Screen type:		Factory cut	
			•	Continuous slot	
L. Borehole, diameter _ 9.5 in.		Manufacture		Other	<b>-</b> -
M. O.D. well casing _45_ in.	`	Manufacturer Slot size:			<b>₫₽₫</b> in
vi. V.D. wen vening i _ i _ El.		Slotted length	ı:		_ <b>5</b> .Qft
N. LD. well casing 40 in.		_ 1	rial (below filter pack):	None	
		<u> Netric</u>		Other	<u> </u>
hereby certify that the information on this	form is true and correct	to the best of my	Knowledge.		

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with the ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

State of Wisconsin Department of Natural Resources			ONITORING WELL CONSTRUM TM 4400-113A	UCTION 8-89	
Facility/Project Name	Grid Location	<i>f</i> -1	Well Name		
Beder How Army time Plant	4.805, 177.0	# ZIN□S.	ELM-89-03		
Facility License, Permu or Monitoring Number	P. 415 085	_	Wis. Unique Well Number	DNR Well Nu	ano-
Type of Well Water Table Observation Well 211	Section Location		Date Well Installed	125.80	_
Piezometer 12	1/4 of 1/4	of Section	<u> </u>	/ 중청/ 응국	
Distance Well Is From Waste/Source Boundary			Well Installed By: (Person's )		
NA ft.	Location of Well Relative to	E D W Waste/Source	Sett Wibby / E.	<u>C Jardou</u>	<u>1</u> 0.
Is Well A Point of Enforcement Std. Application?	☐ Upgradient	Sidegradient	<b>'</b>		
Yes No		Not Known  1. Cap and lo	ah?	🛚 Ye 🖸	=
A. Protective pipe, top elevation _916.45 ft		2. Protective		TY 10 □	140
B. Well casing, top elevation _9.16.28 f	L MSL	a. Inside di	• •	_6.	<b>⊈</b> in
C. Land surface elevation914.0 f	MSL	b. Length:		_2.9	
D. Surface seal, bottom ft. MSL or	n.	c. Materia	2	Steel <b>E</b> Other □	04
12. USCS classification of soil near screen:		d. Addition	nal protection?	. OR Yes 🗆	No
			escribe 4 Nuchina B	de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya della companya della companya de la companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della	
DSM DSC DML DMH DCL DCH	/ /ii ii	3. Surface sea	.i.	Bentonite 🗆	30
□ Bedrock	. \	3.50122032		Concrete 🗆	0 1
13. Sieve analysis attached? Yes	_ \ 🔛 🖼	\. <del></del>	Cout	Other 🗷	
14. Drilling method used: Rotary 3	\ BB BB BB BB BB BB BB BB BB BB BB BB BB	'4, Material be	tween well casing and protective	e pripe:  Bentonite	30
Hollow Stem Auger Other 10			A Armula	r space seal	30
- Hariney	\		Gart	Other DX	
15. Drilling fluid used: Water   02 Air   15	1 901 601	5. Annular sp	ace seal: Granule	Bentonite	
Drilling Mud 🗆 03 None 🚨 9	9   🗮 🖼		s/gal mud weight Bentonise	:-sand sharry 🗖 (	
16. Drilling additives used?			s/gal mud weight Bent		31
10. Driming			Bentonite Bentonite-c		50
Describe		How install	volume added for any o	Tremie []	0 1
17. Source of water (attach analysis):		Now House		nie pumped 🖾	02
! W#2				Gravity 🔲	08
		6. Bentonite s	esi: Benton	ite granules 🔲	33
E. Bentonite seal, top _ & D4 . Q ft. MSL or 1 L	0.0 fg 📟 📟	,	in. 013/8 in. 11/2 in. Benu	mite pellets 🔼	32
		/		Other 🛚	
F. Fine sand, top		7. Fine sand i	naterial: Manufacturer, produc & A	at name and mesh	h size
G. Filter pack, top 1930 ft. MSL or 12		Volume ad	3.4		
G. Filter pack, top 1930 ft. MSL or 12			material: Manufacturer, produ	ct name and mesi	h siz
H. Well screen, top _ 184 Oft. MSL or 13	2.0 11	R-Q T	Trit Solver Floter Sc		
·		Volume ad			
I. Well screen, bottom _ 264 0 ft. MSL or 15	2.e f	9. Well casin	•		23
7 6 4 6 Met on 1 5			Flush threaded PVC so		24
J. Filter pack, bottom _ 7 # 4 .6 ft. MSL or 15:	2.0 1	10 Screen mar	erial: Schoolule FO PIC		
K. Borehole, bottom _ 34. Qft. MSL or 18	0.0 m	Screen typ		Factory cut 21	11
		4.		timuous slot 🔲	0 1
L. Borehole, diameter _9.5 in.		\		Other 🗖	
		<b>\</b>	er <u>limea</u>	0.94	oi-
M. O.D. well casing _ I , I _ in.		Slot size: Slotted len	gth:		. Q ft.
N. LD. well casing _4_O_ in.		\	perial (below filter pack):	None 🗆	
		N	in Cone	Other 🗷	
I hereby pertify that the information on this		ct to the best of m	y knowledge.		_
Signature ODKO	Firm F ( )	Den Co.			

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147. Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

•			
State of Wisconsin Department of Natural Resources		MONITORING WELL CONSTRUCTION Form 4400-113A 8-89	
Facility/Project Name Grid Location	20	Well Name,	
, 01	5,979.2 A DANI	1 - 4/	
Tas Was License Downer or Montonna Number	>,159.8 F □ E. [		Number
	5,131.18 JA LA E. I		
Type of Well Water Table Observation Well 211 Section Lo	cation	Date Well installed 03/30/8	.9
	4 of 1/4 of Section		<u> </u>
Distance Well Is From Waste/Source Boundary	N, R D E D W	Well Installed By: (Person's Name and Fir	m) /
704 ft. Location of	Weil Relative to Waste/Source	Rich Alka / E.C. Ja	مهوسرد
Is Well A Point of Enforcement Std. Application?	pgradient Sidegradient		
	owngradient Not Known	pp and lock?	
A. Protective pipe, top elevation _ 926.43 ft. MSL _		p and lock?  Descrive cover pipe:	□ <i>1</i> <b>6</b>
B. Well casing, top elevation _ 926.28 ft. MSL —		• •	6.0 in.
2 - 4 - 6 2401	11 11/	_	7 . Oft.
C. Land surface elevation _924.1 f MSL	11 11	Material: Steel	
D. Surface seal, bottom ft_MSL or ft_		Other	<u> </u>
12. USCS classification of soil near screen:	<b>《李秋》</b> 4	Additional protection?	□ No
GP GM GC GW GSW MSP	/ 11 11/	If yes, describe: 4 bucking Posts	•
DSM DSC DML DMH DCL DCH		rface seal: Bentonite	<b>3</b> 0
D Bedrock		Concrete	01
13. Sieve analysis attached?		Other Other	<b>4</b>
14. Drilling method used: Rotary 50	`4.Ma	sterial between well casing and protective pipe:  Bentonite	□ 30
Hollow Stem Auger 25 4 1 Other 1		Armular space seal	
		Crowt Other	=
15. Drilling fluid used: Water   02 Air   01	,	nular space seal: Granular Bentonite	
Drilling Mud 03 Name (\$\square\$99	J. A.	Lbs/gal mud weight Bentonite-sand shurry	
_	_	Lbs/gal mud weight Bentonite slurry	
16. Drilling additives used?		5 % Bentonite Bentonite-cement grout	
	<u> </u>	volume added for any of the above	•
Describe	Ho Ho	w installed: Tremie	
P(D # 2		Tremie pumped	
<u> </u>		Gravity	80
	, 6. Ber	ntonite seal: Bentonite granules	_ ,,
E. Bentonite seal top _ 1881 ft. MSL or 136.0 ft.		1/4 in. 3/8 in. 1/2 in. Bentonite pellets	
nd Ad a	<b>\                                    </b>	Other	
F. Fine sand, topft_ MSL orft		ne sand material: Manufacturer, product name and m	nesh size
G. Filter pack, top 783 1 ft. MSL or 141 0 ft.		home added IVA ft ³	
G. Filter pack, top		ter pack material: Manufacturer, product name and n	nesh size
H. Well screen, top		ROFLA Shie Filer Senel	
II. Well success to produce the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	v _o	hume added 2 2.8 ft ³	
I. Well screen, bottom _ 762   ft. MSL or 620 ft.	9. We	ell casing: Flush threaded PVC schedule 40	<b>2</b> 3
		Flush threaded PVC schedule 80	24
J. Filter pack, bottom _ 258.1 ft. MSL or [66.0 ft.		Other	
0.50	10. Sca	reen material: Schooling 80 POC	
K. Borehole, bottom _ 256.1 ft. MSL or 169.0 ft.	Sa Sa	reen type: Factory cut	_
		Continuous slot	_ ••
L. Borehole, diameter _95 in.	<del>.</del>	Other	<b>-</b> -
M. O.D. well casing _45_ in.		nufacturer Tunce 0.	eLQin.
M. O.D. well casing	<b>\</b>		20.0 ft.
N. I.D. well casing _ 1.0 _ in.	\	ckfill maserial (below filter pack): None	_
_1.0_		not Elik Chrond Other	<u> </u>
I hereby certify that the information on this form is t	rue and correct to the bes	t of my knowledge.	
Signature () A () () Firm			

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

State of Wisconsin Department of Natural Resources			ONITORING WELL CONSTRU rm 4400-113A	UCTION 8-89	
Facility/Project Name	Grid Location	M	Well Name		
Bedge de Amelina Plant	4.805 957.7	Æ R N □ S.	ELN-89-04B		
Facility License: Permit or Monitoring Number	280, 172.7		Wis. Unique Well Number	DNR Well N	MII
Type of Well Water Table Observation Well 11	Section Location		Date Well Installed		<u> </u>
Piezometer 212	1/4 of 1/	4 of Section .	04	1등록1 <u>홍</u> 축	•
Distance Well Is From Waste/Source Boundary			Well Installed By: (Person's I	Name and Furn)	
NA n.	TN, R Location of Well Relative	ID E D W	Dave Below / F.C.	. Jorden (	0.
Is Well A Point of Enforcement Std. Application?	Upgradient	☐ Sidegradient			
☐ Yes 17 No	Downgradiens	Not Known  1. Cap and lo	et?	Ø Ye □	<u> </u>
A. Protective pipe, top elevation _926.80 ft		2. Protective		<b>M</b> 10 D	
B. Well casing, top elevation _926.63 ft	L MSL	a. Inside di	• •	.ي_	.Q i-
C. Land surface elevation _924.8 f	MSL	b. Length:			.01
D. Surface seal, bottom ft. MSL or	n_	c. Materia	Ľ	Steel ⊠ Other □	•
12. USCS classification of soil near screen:		d Addition	nal protection?	TY Yo 🗆	Nt
ECP DGM DGC DGW DSW DSP	/ / [1]	If yes, d	becribe _ Y bucking food	3	
OSM OSC OMLOMHOCLOCH	/ #	3. Surface sea	<b>d</b> :	Bentonite 🖸	
13. Sieve analysis attached?   Yes  Yes	۱ 🕷		(a. 1.	Concrete   Other	
14. Drilling method used: Rotary 15	1 2009 1	4. Material b	erween well casing and protectiv		· -
Hollow Stem Auger 4	\ 003 F			Bentonite 🛘	3 0
Oct Wall Other AD	== \		C Annula	r space seal 🔲	
16 Dellin Shrid woods Warm 53 02	o 1 📕		Gran	Other E	
15:5:2	99	5. Annular sp	pace seal: Granuis pa/gal mud weight Bentonise	Bentonite	
			n/gai mud weight Bena n/gai mud weight Bena		
16. Drilling additives used?  Yes  N	6 ) 💥 🛭		Bentonite Bentonite-c		
Paramite.			volume added for any o		
17. Source of water (attach analysis):	📓	How instal		Tremie [	-
80±2			· · · · · · · · · · · · · · · · · · ·	nie pumped 🔼 Gravity 📋	02
	==		t. Besten	ite granules 🖂	•
E. Bentonite seal, top _142.8 ft. MSL or 18	20%	6. Bentonite :	in. 123/8 in. 121/2 in. Benu	_	-
E Bellionite sear tob _ I I I G . I was or I E	- · · · · · · · · · · · · · · · · · · ·			Other □	
F. Fine sand, top ft. MSL or	<b>₹ n~ / 📓</b> 🖡	7. Fine sand :	material: Manufacturer, produc	name and mes	sh siz
0 1 0 Ch Mei 1 0		//	OA 128 63		
G. Filter pack, top _ 231 & ft. MSL or 18	Σ'δ ₁₁ / / / / / / / / / / / / / / / / / /	Volume ad	ded <u>1)A-</u> ft ³ ; meterial: Manufacturer, produ	er name and me	eh er
H. Well screen, top _ 730 8 ft. MSL or L9	40 1	ROI	Tint Silva Eiller Se	2	<i></i>
•		Volume ad	ded <u> </u>		
I. Well screen, bottom _ 2258 ft. MSL or [9]	2.0 1	9. Well casin	•	<del>-</del>	
J. Filter pack, bottom _ 2258 ft. MSL or 19	• 0 0-	_	Flush threaded PVC so	Other 🖸	•
•		10. Screen ma	perial: School on PUC	<u> </u>	
K. Borehole, bottom _ 725 8 ft. MSL or L 9	2.0 fm	Screen typ	E:	Factory cax	11
_			Cont	imuous slot 🔲	0 1
L. Borehole, diameter _9.5 in.	<del></del>	\ . <del></del>	<del></del>	Other 🗆	
M OD well essine 4 - :-		Manufactur Slot size:	<u> </u>	. ه. 0	1 Ø in
M. O.D. well casing _ 4 . 5 _ in.		Slowed len	gth:		.QíL
N. LD. well casing _ Y.Q _ in.		11. Beckfill m	merial (below filter pack):	None 🗆	
				Other D	
I hereby carrily that the information on this Signature ( ) /   1/0 ( )	form is true and cor	rect to the best of m	ry knowledge.		

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

State of Wisconsin Department of Natural Resources			MONITORING WELL Form 4400-113A	L CONSTRUCTION 8-89		
Facility/Project Name	Grid Location	m	Well Name			
Brokace How American Plant	4 806 115.1	# N. D.				
Facility Licensé, Permit or Monitoring Number	250,061.1	& Ø E. O \	Wis. Unique Well	Number DNR Wei	ll Nu	mber
Type of Well Water Table Observation Well 11	Section Location		Date Well Installed		<del></del>	
Piezometer 12	1/4 of	1/4 of Section	_	유류/급급/ 중	<u>,                                    </u>	_
Distance Well Is From Waste/Source Boundary	T N, R	. D E D W		don / E. C. Jos		
Is Well A Point of Enforcement Std. Application?	Location of Weil Relativ	e to Waste/Source Sidegradient	- France Bay	don / E.C. Joi	حالام	<u>~</u> (
☐ Yes 🔼 No	Downgradient	□ Not Known				
A. Protective pipe, top elevation _ 201.06	ft. MSL	1. Cap a		X Yes		No
B. Well casing, top elevation _922.35	fL MSL		tive cover pipe:		,	<b>.</b>
	11	b. Len	de diameter:	-	2.	_
C. Land surface elevation _ 228.2		c. Ma	Ψ.	Steel	. <u>.</u>	04
D. Surface seal, bottom ft MSL or	f	_		Other		
12. USCS classification of soil near screen:			ditional protection?	LOL YE		No
GP GM GC GW MSW GSP	/ /	18 \		King Parts Bentonite	_	30
□ Bedrock	\ ```	3. Surfac	e seal:	Concrete	=	01
13. Sieve analysis attached?    Yes    S	<i>'</i>		Crant	Other		
14. Drilling method used: Rotary 🖸	50	4. Materi	ial between well casing a	nd protective pipe:		
Hollow Stem Auger	41			Bentonite	_	30
Unal Wall Other 10	== \ <b> </b>		Cart	Annular space seal Other		
15. Drilling fluid used: Water 1 02 Air	01	S Armul	ar space seal:	Granular Bentonise	- •	33
Drilling Mud 03 None 0	99	J. 70aaa		Bentonite-sand slurry		35
16. Drilling additives used?			_Lbs/gal mud weight.	Bentonite slurry		3 1
16. Drilling additives used?	<b>70</b>	<b>■</b> 1-₹		Bentonite-cement grout	K	50
Describe			ged Fr volume add	ied for any of the above Tremie	_	0 1
17. Source of water (attach analysis):				Tremie pumped	_	02
PW#2			•	Gravity		08
	3.Q ft.	6. Benton	nite seal:	Bentonite granules		3 3
E. Bentonite seal, top _ 2952 ft. MSL or 10	3.0 fc 🔯		11/4 in. 🗖 3/8 in. 🗖 1,	12 in. Bentonite pellets		32
F. Fine sand, top DA ft MSL or N		7 Fine 6	and marerial: 14	turer, product name and		
		7. Fine s	NA Manua		- mesu	1 31ZE
G. Filter pack, top 1902 ft. MSL or 10	8.2 m	Toluli.	e added NV	—f ³		
H. Well screen, top _725.2 ft. MSL or 1 L	3.9 1	<u> </u>		File Scale and	mesi -	n size
I. Well screen, bottom _ 7652 ft. MSL or [3	30 m	9. Well o		aded PVC schedule 40		23
				aded PVC schedule 80		24
1. Filter pack, bottom _ 163.2 ft MSL or 13	2.0 tr			Other		
K. Borehole, bottom _ 758.2 ft. MSL or /4	00%	10. Screen	n material: <u>Schodule</u>	Factory cut	<b>17</b> 1	ī-ī
V. Dolenoie, contain -17-7-15 is 11-11-11-11-11-11-11-11-11-11-11-11-11-			a sype.	Continuous slot	_	01
L. Borehole, diameter 9.5 in.		۹		Other	_	
			scorer Times			A '=
M. O.D. well casing _45_ in.		Slot si	ze:	0	.01	Q in.

Gereby certify that the information on this form is true and correct to the best of my knowledge.

Firm E. L. Jordon. Co.

N. LD. well casing

_4.0_

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

Slotted length:

11. Backfill material (below filter pack):

Date of Court to Filter le

**20. ⊅**it

Name 🗆

Other D

State of Wisconsin Department of Natural Resources			ONITORING WELL CONSTRUM m 4400-113A	2CTTQ 8-8	
	Grid Location	M	Well Name		<b></b>
Backer Arm American Plant			ELN- 89-06B	- B.S.W. W. W	
Facility License, Permit or Monitoring Number	250 212.4	% pp e. □ w.	Wis. Unique Well Number	DNR Weil	Numc
Type of Well Water Table Observation Well 11	Section Location		Date Well Installed		=
Piezometer E.12	1/4 of1	/4 of Section		18418	<del>-</del>
Distance Well Is From Waste/Source Boundary	TN. R	ПЕПШ	Well Installed By: (Person s	ame and Fir	m) _
Is Well A Point of Enforcement Std. Application?	Location of Well Relative	to Waste/Source	Dove Beken / E. C	- Jorde	مـــــــــــــــــــــــــــــــــــــ
Yes Z.No	Upgradiens Downgradiens				
A. Protective pipe, top elevation _908.82		1. Cap and le		M Yes	□ Nc
B. Well casing, top elevation _ 125.224		2. Protective a. Inside d			6.0ir
C. Land surface elevation 906.1	MSL	b. Length:	= :	_	2.0f
D. Surface seal, bottom fr. MSL or		c. Materia	Ŀ	Steel	_
12. USCS classification of soil near screen:		d Additio	nal protection?	Other	
GP GM GC BLGW GSW DSSP	/ / / 1	If yes,	lescribe 4 bucking Posts	<b>4</b>	
D SM D SC DML DMH D CL D CH		3. Surface se	<b>J</b>	Bentonite	= .
13. Sieve analysis attached? Yes	. \		(Non-	Concrete Other	
14. Drilling method used: Rotary	50	4. Material b	etween well casing and protective		٣
Hollow Stem Auger				Bentonite	
Other III	<del></del>		Annula:	r space seal	_
15. Drilling fluid used: Water [] 02 Air	01	5. Armular s	The seek Greenie	Other r Bentonia	33
· · · · · · · · · · · · · · · · · · ·	99	Li Arania s	ex/gal mud weight Bentonite		3:
16. Drilling additives used?  Yes  2		<u></u> u	x/gal mud weight Benta	onite slurry	3
10. Driming actions used: 12 12 12			Bentonite Bentonite-co		50
Describe	📓	How instal	icl Fr volume added for any o	Tremie	<b>□</b> 0
17. Source of water (attach analysis):			Treat	ie pumped	<b>5</b> 02
				Gravity	80
		6. Bensonite	742	ite granules	
E. Bentonite seal, top _ 241.1 ft. MSL or 16	5.5 €		in. 03/8 in. 01/2 in. Benu		
F. Fine sand, top NA ft. MSL or N	of the		material: Manufacturer, produc		
		<b>*</b> // /			•
G. Filter pack, top236.1 ft. MSL or2	z.o.i./ 月	Volume ad	ded <u>IVA</u> IT ' I material: Manufacturer, produc	a name and r	mesh siz
H. Well screen, top _ 129 1 ft. MSL or 12	2.0 fm	Sec.			
		Volume ac			
I. Well screen, bottom _ 1 2 4 1 ft. MSL or 1 &	3 0 IL	9. Well casir	ig: Flush threaded PVC so Flush threaded PVC so		宜 23
J. Filter pack, bottom _ 22 4.1 ft. MSL or 18	2 0 ft		Liffing officialists L A C 20		מ - ·
•		10. Screen ma	terial: Schedule 80 PUC		
K. Borehole, bottom _ 206.1 ft. MSL or 20	2.0 1	Screen typ	<b>e:</b>	Factory cut	
		<b>3</b>	Cont	inuous slot	
L Borehole, diameter _ 2.5 in.		Manufactus	er liero	Other	<b>-</b> -
M. O.D. well casing _45_ in.		Slot size:			ō 1 ō iu
• <del>-</del>		Slotted let	•		5.0ft
N. LD. well casing _ 1.0 _ in.			esterial (below filter pack):	None	
I hereby certify that the information on this	form is true and co			Other	
Signature () / // (	Firm	~ ^ ^	.,		
Yet the	<u>  E.C.</u>	Jordan Lo.	THE RESERVE AND ASSESSMENT OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RE	*****	
Please complete and return both sides of this form as in the 144, Wis Stats., failure to file this form may result	t in a forfeiture of not les	s than \$10, nor more than \$	5,000 for each day of violation.	In accordance	ics Airi
with ch. 147, Wis. Stats., failure to file this form may	result in a forfeiture of n	ot more than \$10,000 for e	ach day of violation.		

State of Wisconsin Department of Natural Resources			ONITORING WELL CONSTRU m 4400-113A	CTION 8-89	
Facility/Project Name	Grid Location	m	Well Name		
Badger Hom Amenition Plant	4805.582.2	_ ½	ELM-89-07		
Facility License, Permit or Monitoring Number	260/112.7		Wis. Unique Well Number	DNR Well	Numb
Type of Well Water Table Observation Well 22.11	Section Location	<del></del>	Date Well Installed	18.8	9
Piezometer 12	1/4 of 1/4	of Section	<u> </u>	ਰੂਰ ਂ ਂ ਂ	<del>*</del>
Distance Well Is From Waste/Source Boundary  NA-  6.	TN, R [	DE D W	Well Installed By: (Person's N		m)
Is Well A Point of Enforcement Std. Application?	Location of Well Relative to	O Waste/Source ☐ Sidegradient	Jim Buss/E.C.Jo	roc- (	
☐ Yes ☑ No		□ Not Known			
A. Protective pipe, top elevation _416.251		1. Cap and lo	ck?	Ø Ye	□ No
9.4.0		2. Protective	cover pipe:	~	
	ורדוו	a. Inside di	emeter:	_	. Qin
C. Land surface elevation _913.2 f	* MSL	b. Length:			. 2 . oft
D. Surface seal, bottom ft. MSL or	fr. Sees (1)	c. Material	•	Steel Other	<b>⊠</b> 0.
12 USCS classification of soil near screen:		d Addition	nal protection?	Other	
CGP GM GC GW SW GSP		•	escribe 4 bucking Posts		
SM DSC DML DMH DCL DCH	/ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	3. Surface sea	1.	Bentonite	<b>3</b> 3 (
☐ Bedrock	. \	3. 3th lace sea	* C 1	Concrete	□ 0 :
13. Sieve analysis attached?	\ E31 69	\	Crest	Other	<b>2</b>
14. Drilling method used: Rotary	\ MI 166	4. Material be	tween well casing and protective	• •	
Hollow Stem Auger 4			1 Amerika	Bentonite	
OLD West	~~ \ <b> </b>		Cont	space seal   Other	_
15. Drilling fluid used: Water 🔲 02 Air 🖾	1 123 844	5. Annular sp		Bentonite	
Drilling Mud 🗖 03 None 🚨 🤄	99   🔛 🧱		s/gal mud weight Bentonite-s	_	_
16. Drilling additives used?	.   📓 🕷		s/gal mud weight Benton		_
16. Drilling additives used?	°   📓 🖩		Bentonite Bentonite-cer		<b>5</b> 50
Describe		± 290 G	volume added for any of		
17. Source of water (attach analysis):		NOM BIZITIE		Tremie   Le pumped	= -
かせる			train	Gravity 1	
		6. Bentonite s	nal. Rentonit	e granules	_ `
E. Bentonite seal, top _&BL _1 ft. MSL or 11	206.	)	n. \$\overline{\Omega} 3/8 in. \$\overline{\Omega} 1/2 in. Benton	-	
E Dembinie seat up _6 _6 _7	- ···			Other	
F. Fine sand, top	4 f	7. Fine sand n	Manufacturer, product		
G. Filter pack, top	2.01	Volume add			•
H. Well screen, top	ē '3 tr	8. Filter pack	majerial: Manufacturer, product	()	nesh siz
I. Well screen, bottom _ 7634 ft. MSL or 15	0 3 h	Volume add 9. Well casing		edule 40	□ 23
			Flush threaded PVC sch		
I. Filter pack, bottom $2634$ ft. MSL or $65$	5 3 tr		erial: Schedule 80 PUC	_ Other I	
K. Borehole, bottom _ 2 43.4 ft. MSL or 12	03 fc	10. Screen man Screen type		actory cut	内 11
				nuous slot	
Borehole, diameter _ 2 5 in.		\		Other	
		Manufacture	Times		
M. O.D. well casing _4.5_ in.		Slot size:	ngh.		10 OH

ereby certify that the information on this form is true and correct to the best of my knowledge.

N. LD. well casing

_4.0_

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with h. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

11. Backfill material (below filter pack):

None 🗆

Other D

State of Wisconsin Department of Natural Resources			ONITORING WELL CONSTRUCTIO
Facility/Project Name	Grid Location	<del></del>	Well Name
Boles How Annulism Plant	4805 593.1	ME N. O.S.	FLM-89-08
Facility License, Permit or Monitoring Number	<del></del>	71	Wis. Unique Weil Number DNR Weil Numr
	319,912.7	X Q E. D W.	
Type of Well Water Table Observation Well 211	Section Location	· · · · · · · · · · · · · · · · · · ·	Date Well Installed
Piezometer 12	1/4 of 1/	4 of Section	#\ 4 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Distance Well Is From Waste/Source Boundary		<u> </u>	Well Installed By: (Person's Name and Firm)
a) A r.	TN, R Location of Weil Relative	O E O W	Rich Aller / E. C. Jordan Co.
Is Well A Point of Enforcement Std. Application?	Upgradient Upgradient	Sidegradient	
☐ Yes          Xb	Downgradient	☐ Not Known	
A. Protective pipe, top elevation _ 9.06.31 f	L MSL	1. Cap and lo	——————————————————————————————————————
B. Weil casing, top elevation _906.04 f	L MSL	2. Protective a. Inside di	
C. Land surface elevation _903.0 f	MSL	b. Length:	_ <u>7.0</u> f E Steel <b>29</b> .04
D. Surface seal bottom ft. MSL or	n	C. Maleria	Other 🗆 _
12. USCS classification of soil near screen:		d Addition	nal protection?
GP GM GC GW GSW ESP		If yes, d	escribe: 4 buting Posts
SM OSC OMLOMHOCL OCH		1 \ \ \	Bentonite 🖸 30
☐ Bedrock	\ <b>\</b>	3. Surface sea	Concrete 0 0
13. Sieve analysis attached?    Yes	6 \ 🐰 🖁	₩ \	Grant Other D
14. Drilling method used: Rotary	io \ 💥 🖁	4. Material be	tween well casing and protective pipe:
Hollow Stem Auger 🗷	11 \		Bentonite 🔲 3 º
Other 🗆		#	Angular space seal
			Other
15. Drilling fluid used: Water   02 Air   0 Drilling Mud   03 None   2		5. Armular sp	
Diffinity wor (10) Mile 24			s/gal mud weight Bentonite-sand shurry 3:
16. Drilling additives used?			s/gal mud weight Bentonite slurry 📮 3
			Bentonite Bentonite-cement grout 🗷 50
Describe			volume added for any of the above
17. Source of water (attach analysis):		How install	
PW#2			Tremie pumped 202
		***	Gravity 🗖 0 è
•		6. Bentonite s	
E. Bentonite seal, top _8000 ft. MSL or 10	3.0 ft 💥 🖁		in. 13/8 in. 11/2 in. Bentonite pellets 1 32
-	. \ 😹 🛚	Rectac	- Where Sud Cove Michae Other B
F. Fine sand, top NA ft. MSL or N	#- m	7. Fine sand t	naterial: Manufacturer, product name and mesh size
G. Filter pack, top	30 m	Volume ade	
		~ <i>/</i>	material: Manufacturer, product name and mesh siz
H. Well screen, top112 ft. MSL or 12	, <u> </u>	Volume ad	ded = 3.0 fi
I. Well screen, bottom _ 15 8 0 ft. MSL or [4]		9. Well casin	g: Flush threaded PVC schedule 40 🔲 23
J. Filter pack, bottom _ 758 Oft. MSL or 14		*	Flush threaded PVC schedule 80 💂 24
). Piles part comm		10 5~~	verial: School Le 60 Pit
K. Borehole, bottom _ 254.0 ft. MSL or 14	9 ft.	2	
V. Dateling animit	··· ·· \	Screen typ	Continuous slot 🔲 01
L. Borehole, diameter 95 in.		*	Other 🛘
L. DOTENDIE, CIENTIELET _ Z.2 M.		1/	
M. O.D. well casing _45_ in.		Mamuractur Slot size:	0.01 Qin
M. O.D. well casing _4.5 _ in.		Slotted len	
N. I.D. suell assista.		1	
N. LD. well casing _4.Q_ in.			sterial (below filter pack): None Other
I hereby certify that the information on this	form is true and con	rect to the best of m	y knowledge.
Signature () /) VO ()		-0. (	

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

	State of Wisconsin Department of Natural Resources			MONITORING WELL CONST Form 4400-113A	RUCTION 8-89		
,	Facility/Project Name	Grid Location		Well Name			
	Budger Arm American Plant	4.805 843	.9 - E A N O	s.   ELM-89-09			
	Facility License, Permit or Monitoring Number		6 F ME. C.		DNR Well	Nu	noe:
				_		_	
	Type of Well Water Table Observation Well [1]	Section Location		Date Well Installed	#/4 <u>명/훈</u>	۶	
	Piezometer 12  Distance Well Is From Waste/Source Boundary	1/4 of	_ 1/4 of Section	Well Installed, By: (Person	m dd v	<del></del>	
	.1.	T N. R	O E O W	- Bill Metager / F	( _	(	0
	Is Well A Point of Enforcement Std. Application?	Location of Well Related Upgradient	ive to Waste/Source  Sinegradient	Diff Tretago 11			_
	☐ Yes    No	Downgradien					
	A. Protective pipe, top elevation _ 922.62	t. MSL	1. Cap a	nd lock?	Ø Yes		No
	00.00		2. Prote	ctive cover pipe:			
		11	¬   /	ide diameter:	_	6.9	
	C. Land surface elevation111.6	F MSL	b. Les	ngun: uterial:	Steel	2.9 Ex	04
	D. Surface seal, bottom ft. MSL or	m			Other	=	
	12. USCS classification of soil near screen:		d Ad	ditional protection?	, ZX Yes	_	No
	GP GM GC GW GSW ESP	/ / !!	п;	yes, describe: 4 bucking Po	<u>«β</u>		
	SM SC ML MH CL CCH	/ /#	3. Surfac	te seal:	Bentonite	=	30
		. \ 💥		6 1	Concrete	_	0 1
	1	\ M3	W \	ial between well casing and protect	Other	4	
	14. Drilling method used: Rotsry Hollow Stem Auger	1 660	4. Mate	THE DESMOEST MEST CREATER WITH DECORE	Bentonite		30
	Other 🗆	<u> </u>		/ \ Ann	ular space seal	_	
		)		Grant	Other		
	15. Drilling fluid used: Water   02 Air		5. Annu		ular Bentonite	_	33
b	Drilling Mud □ 03 None 📮	99   👹	<b></b>	_ Lbs/gal mud weight Benior			35
	16. Drilling additives used?   Yes  1	<b>√</b>   ∰	<b>-</b> -	_ Lbs/gal mud weight Bo			31
	7.		± <del>3</del>	% Bentonite Bentonite	e-cement grout	2	50
	Describe			nstalled:	Tremie		0 1
	17. Source of water (attach analysis):			Ti	remie pumped	_ B	02
	PW # 2		***	•	Gravity		08
					tonite granules	_	3 3
	E. Bentonite seal, top _ 294 .6 ft. MSL or L 2	5.0 m		11/4 in. 🔼 3/8 in. 🗖 1/2 in. Be	ntonite pellets	2	32
		<b>\</b> ₩			Other	_	
	F. Fine sand, top ft. MSL or 10	₾ °\ \` <b>`</b>	7. Fine s	and material: Manufacturer, pro	duct name and n	nesh	size
	G. Filter pack, top 7896 ft. MSL or 13		Volum	ne added A) A ft ³		•	
	G. Filter pack, top	- · · · · · · · · · · · · · · · · · · ·		pack material: Manufacturer, pro		nesh	S17/
	H. Well screen, top _ 184 6 ft MSL or 13	50 m	Re				
	•			ne added 3.0 ft 3		_	
	I. Well screen, bottom _ 164 6 ft. MSL or 15	5.0 m	9. Well				23
	162 ( 6 MS) 16			Flush threaded PVC	schemie ev Other	_	24
	i. Filter pack, bottom _ 162.6 ft. MSL or 15	2.5	10 5	n material: Schoolek 80 Pi		_	
	C. Borehole, bottom _151.6 ft. MSL or 16	0 D ft.	<i>///</i> 2	a type:	Factory cut		11
					ontinuous slot		01
	L. Borehole, diameter _ 9.5 in.		<u> </u>		Other		
	•			ecores Timeo		<u> </u>	<b>Din</b>
	A. O.D. well casing _ 4 in.		Slot s	ıze: d length:			Dit. Dit.
	N. LD. well casing _ 4 o _ in.		\	ill material (below filter pack):	Nane		
	N. LD. well casing _ 4 .0 _ in.		•••	Novin Cove	Other		

Tease complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with h. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

hereby centify that the information on this form is true and correct to the best of my knowledge.

•	j	OB NO	C 10313	
	B	ORING NO	ELN-82-01A	
$\tau \frown \tau$ $\tau \rightarrow \tau$	ev. 905.18	ATE	3/30/82	
(9)	C	HIEF	Tom O.	
1 (8)	LOCATION Badger	Army Ammu	nition Plant; Exis	ting Landfill
	Elev. 902.8  All de to be indica	from ground	ements of <u>well deta</u> d surface unless of	ail assumed therwise
			FOM OF WELL POINT (	OR FEET.
5	2 DE	TH OF BOT	TOM OF SEAL (if ins	stalled)
	(3) DE	92	OF SEAL (if instal FEET.	led) .
	0 (4) LE	IGTH OF <u>PVC</u>	WELL SCREEN, ET.	
	(5) to		OF PIPE 124 5 IN. DIAMETER.	FEET
			R MATERIAL AROUND TED PIPE Pea Grav	
	$\sim$	CRETE CAP,	L CASING ABOVE GRO	(Circle One)
		2.5	FEET.	· · · ·
4		TECTIVE CA GHT ABOVE KING CAP?	SING? YES NO GROUND 2.5 YES NO	(Circle One)
	1 (10) TYI	E OF BACKE	ILL: Cement:Bento	nite 5:1
<b>₩</b>		CKNESS OF	GRAVEL PACK 20	FEET.
	$\succ$		T COUPLING 5	FEET.
· 💥	COL	PLING INTE	'i COOLETING	
	(13) TO	AL DEPTH O	F BOREHOLE 132	FEET.
	BORING#   DATE		DEPTH TO WATER	<del></del>
	DONTING#   DATE	TIME	DEFIN TO WATER	REMARKS
	ELN-82-01A 5/11/8	2 -	125.16'	From top of casing
•				
-				

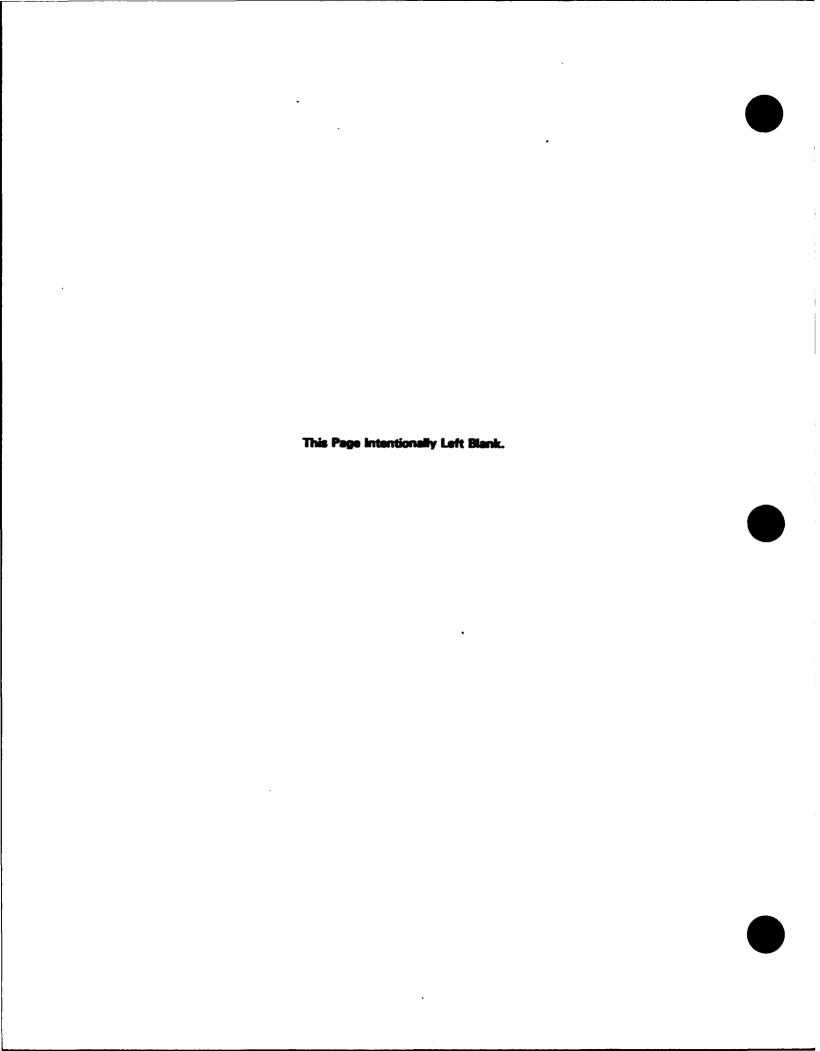
				JOB	NO.	C 10313	
		· —				ELN-82-01B	
	<b>本</b>		Elev. <u>904.90</u>			3/31/82	
	(9)			CHI	EF	Tom O.	
	· (8)	111		Badger Ar	my Ammon	ition Plant; Exist	ing Landfill
7/			Elev. 902.4	to be fro	om ground d.	ments of <u>well deta</u> surface unless ot	herwise
			(	1 DEPTH SLOTT	TO BOTT	OM OF WELL POINT OF	R EET.
	5		(	2 DEPTH	1 OF BOTT	OM OF SEAL (if ins	talled)
		-  -	(	3 DEPTH	1 TO TOP (	OF SEAL (if instal) FEET.	led)
	-		-10	4 LENGT	H OF PVC 2.0 FE	WELL SCREEN, ET.	
				5 . TOTAL	LENGTH	OF PIPE 144 I	FEET .
,	(11)	000				R MATERIAL AROUND WITED PIPE Pea Grave	
				7) CONCR	ETE CAP,	YES NO	(Circle One)
	<b>→</b>		-(2) (		T OF WELL	CASING ABOVE GROU	UND
	4		6	9 PROTE HEIGH LOCKI	CTIVE CAS IT ABOVE O NG CAP?	SING? YES NO GROUND 2.5	
	↓ 🖟		1	10 TYPE	OF BACKE	ILL: 6:2 Cement	:Bentonite
	8	<b>XXI</b> .		11) THICK	NESS OF (	GRAVEL PACK	17.5 FEET.
	<b>X</b>		(	12) DEPTH		COUPLING 5	.15 FEET.
		<b>XX</b> ///	1	13) TOTAL	DEPTH O	BOREHOLE 143.5	FEET.
	· · · · · · · · · · · · · · · · · · ·		BORING#	DATE	TIME	DEPTH TO WATER	REMARKS
	(13)		ELN-82-01B	5/11/82	• 4116	124.84'	From top of casing
			EFM-05-01D	3,11,02	-	127.07	Trom cop or casing
١							
1							
			•				
	_						1

	JOB NO	<u>C 10313</u>	
	BORING NO.	ELN-82-0	10
1 Elev. 905.20	_ DATE	3/29/82	
9	CHIEF	Tom 0.	
LOCATI	ON Badger Army Am	nunition Plant: Exi	sting Landfill
Elev. 902.	/ All <u>de</u> pth measu	rements of <u>well det</u> nd surface unless o	tail assumed
	1 DEPTH TO BO SLOTTED PIP	TTOM OF WELL POINT E153.5	OR FEET.
5	2 DEPTH OF BO	TTOM OF SEAL (if in	stalled)
		P OF SEAL (if insta FEET.	11ed)
10	4 LENGTH OF P 2.0	VC WELL SCREEN, FEET.	
		H OF PIPE 154 IN. DIAMETER.	_FEET
	6 TYPE OF FILE	TER MATERIAL AROUND OTTED PIPE <u>Pea Grav</u>	WELL el
	7) CONCRETE CA	YES NO	(Circle One)
2	8 HEIGHT OF W	ELL CASING ABOVE GROFEET.	•
4	$\widehat{}$		<u>0</u> (Circle One)
	HEIGHT ABOVE	GROUND 2.5	<u> </u>
	10) TYPE OF BACI	FILL: 5:2 Cement	t:Bentonite
	$\boldsymbol{\times}$	GRAVEL PACK 13.5	_
	$\succ$		
	COUPLING INT	ST COUPLING 5.3 ERVAL 9.75	
	13 TOTAL DEPTH	OF BOREHOLE 153.5	·····
PORTNO	,		
BORING	DATE TIME	DEPTH TO WATER	REMARKS
ELN-82-010	5/11/82 -	125.46'	From top of casing
		·	
<u>.</u> .	]		•
•			
	_		•

	WELL DETAIL IN	ORMATION S	HEET	
•		OB NO.	C 10313	
	E	ORING NO.	ELN-82-02A	
本 T T T T Elev. S	A1 - A		4/1/82	
[(9)]		HIEF		
		Army Ammu	nition Plant; Exi	sting Landfill
Elev 7	to be indica	from ground ted.	ements of <u>well det</u> I surface unless o	therwise
	SL	OTTED PIPE	OM OF WELL POINT	FEET.
5	2 DE		OM OF SEAL (if in FEET.	stalled)
	3 DE	PTH TO TOP 102	OF SEAL (if insta FEET.	11ed)
- 10	4 LE	NGTH OF PVC	WELL SCREEN,	
		TAL LENGTH	OF PIPE 134.5 IN. DIAMETER.	_FEÉT
			R MATERIAL AROUND	
	(7) co	NCRETE CAP,	YES NO	(Circle One)
2	$\simeq$		L CASING ABOVE GR	
4		OTECTIVE CA IGHT ABOVE CKING CAP?	SING? (YES) N	
¥	(10) TY	PE OF BACKF	ILL: 6:2 Cemen	t:Bentonite
<b>₩</b>	$\sim$			20 FEET.
	$\succ$		T COUPLING	
		JPLING INTE		5.55 FEET. FEET.
	(13) TO	TAL DEPTH O	F BOREHOLE 142	FEET.
	BORING#   DATE	TIME	DEPTH TO WATER	REMARKS
	82-02A 5/11/8	T i		From top of casing
	3/11/6		136.72'	From Lop of Casing
	ŀ			
<b>-</b> ·				
•		į		

·	JOB NO C 10313
<u> </u>	BORING NO. ELN-82-02B
十十十一日 Elev. 916.84	
( 9 )          <b>  </b>	CHIEF Tom O.
LOCATIO	NBadger Army Ammunition Plant; Existing Landfill
Elev. 914.6	All <u>depth</u> measurements of <u>well detail</u> assumed to be from ground surface unless otherwise indicated.
	DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 151.5 FEET.
5	2 DEPTH OF BOTTOM OF SEAL (if installed) 136 FEET.
	3 DEPTH TO TOP OF SEAL (if installed) 116 FEET.
10	LENGTH OF PVC WELL SCREEN,  FEET.
	5 TOTAL LENGTH OF PIPE 152 FEET @ 4 IN. DIAMETER.
(11)	6 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Pea Gravel.
	7) CONCRETE CAP, YES NO (Circle One)
2	8 HEIGHT OF WELL CASING ABOVE GROUND 2.5 FEET.
4 6	9 PROTECTIVE CASING? YES NO (Circle One) HEIGHT ABOVE GROUND 25 LOCKING CAP? YES NO (Circle One)
	10) TYPE OF BACKFILL: 6:2 Cement:Bentonite
	11) THICKNESS OF GRAVEL PACK 15.5 FEET.
	<u> </u>
	DEPTH TO FIRST COUPLING 5.2 FEET. COUPLING INTERVAL 9.75 FEET.
	(13) TOTAL DEPTH OF BOREHOLE 151.5 FEET.
BORING#	DATE TIME DEPTH TO WATER REMARKS
13 ELN-82-02B	5/11/82 - 137.35' From top of casin
<del>.</del>	

	JOB NO. C 10313
	BORING NO. ELN-82-02C
千	DATE4/2/82
(9)	CHIFF Tom O
LOCATION E	Badger Army Ammunition Plant; Existing Landill
	All <u>depth</u> measurements of <u>well</u> <u>detail</u> assumed to be from ground surface <u>unless</u> otherwise indicated.
	DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 162.75 FEET.
5	DEPTH OF BOTTOM OF SEAL (if installed) 152 FEET.
	DEPTH TO TOP OF SEAL (if installed)  132 FEET.
10	LENGTH OF PVC WELL SCREEN,  2 FEET.
	TOTAL LENGTH OF PIPE 163.25 FEET OF A TOTAL LENGTH OF PIPE 163.25 FEET
	POINT OR SLOTTED PIPE Pea Gravel .
	CONCRETE CAP, YES NO (Circle One)
2	
4 6	PROTECTIVE CASING? YES NO (Circle One) HEIGHT ABOVE GROUND Z.5 LOCKING CAP? YES NO (Circle One)
	0) TYPE OF BACKFILL: 6:2 Cement:Bentonite
	1) THICKNESS OF GRAVEL PACK 10.75 FEET.
$\bigotimes$	2) DEPTH TO FIRST COUPLING 4.75 FEET.
	COUPLING INTERVAL 9.75 FEET.
(i	3) TOTAL DEPTH OF BOREHOLE 162.75 FEET.
BORING#	DATE   TIME   DEPTH TO WATER   REMARKS
	5/11/82 - 136.94' From top of casing
-	
•	•



### Appendix D.4

Well Development Records

W0039213D.APP 6853-12

This Page Intentionally Left Blank.

EXPOSER ARMY AWANTON License, Permit or Monitoring Number		PBM-84-C		ell Number
2. Well development method surged with bailer and bailed surged with block and pumped surged with block and pumped surged with block and pumped surged with block, bailed and pumped compressed air bailed only pumped only pumped slowly Other  3. Time spent developing well 4. Depth of well (from top of well casisng)	Yes No  4 1 6 1 6 2 7 0 2 0 1 0 5 1 5 0 1 5 0 1 5 5. ft.	11. Depth to Water (from top of well casing)  Date  Time  12. Sediment in well bottom  13. Water clarity	Before Development  107.70 ft.  63/89 m m d d y y  15:00 S p.m	After Developmen  107.59  03.19.89  m m d d y  15:008 p.
5. Inside diameter of well 6. Volume of water in filter pack and well casing 7. Volume of water removed from well 8. Volume of water added (if any) 9. Source of water added		Fill in if drilling fluids  14. Total suspended solids  15. COD	were used and well is mg/	
10. Analysis performed on water added? (If yes, attach results)  Additional comments on development:	C) Yes SS No	i	<u> </u>	
Well developed by: Person's Name and Firm		of my knowledge.	se above information is	true and correct to the b
Name: R David Diusmo	ré	Signature: MA	W 1147~	

Facility/Project Name  BADGER ARMY AMUNITION PLANT		Weil Name PBN - 47-10 12.			
2. Well development method surged with bailer and bailed surged with bailer and pumped surged with block and bailed surged with block and pumped surged with block, bailed and pumped compressed air bailed only pumped only pumped slowly	4 1 6 1 4 2 6 2 7 0 2 0 1 0 5 1 5 0	11. Depth to Water (from top of well casing)  Date  Time  2. Sediment in well bottom	115.58 03/17/8 mm/dd/y 14:458	2 0 0 7 1 7 1 8 9 m m m d d y y y a.m. p.m. 6 : 0 0 0 p.m. ches inches	
4. Depth of well (from top of well casisng)	7 5 min. -6ft. 4.0 _ in.	3. Water clarity	Clear 10 Turbid 115 Describe) NATUR Clear AFRER 200		
	<u>5 Z</u> gal.	Fill in if drilling fluids	were used and we	ll is at solid waste facility:	
		14. Total suspended solids		mg/l mg/l	
9. Source of water added	[1	15. COD		mg/l mg/l	
10. Analysis performed on water added? (If yes, attach results)	Yes Z No			}	

Weil developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.
Name: R. DAVID DINDMORE	Signature: Miller Miller
Firm: CE-ENVIEWMENT	Firm: LE AVINONMENTAL

Yes E No  4 1 6 1 4 2 6 2 7 0 2 0	PEN -87 - 10  Wis. Unique Weil Nur  11. Depth to Water (from top of well casing)  Date		After Development
4 1	(from top of well casing)	117.70 ft.	117.57
6 1 4 2 6 6 2 7 0	(from top of well casing)		,
6 1 4 2 6 6 2 7 0	well casing)		,
6 1 4 2 6 6 2 7 0	Date	03/18/89 mm dd y y	<u>02/19/89</u>
□ 4 2 □ 6 2 □ 7 0	Date	03/18/89 mm d d y y	02/19/89
0 6 2 7 0		m m q q , à }	<u>Q-2</u> /5-3/5-1
7 0		1	
	Time	12:50 Fm	13:00 P
10			
<b>E</b> 5 1	12. Sediment in well	inches	. inch
_	bottom		
	13. Water clarity	Clear # 10	Clear 📋 20
		Turbid FT 15	Turbid   25
1.8.5.	•		(Describe)
_ 1 0 0 min.		Describe)	(Describe)
68			
- *	ì		
un	1		
, <u></u>			<del></del>
4 e .	Ţ	1	
- 2 7 · T 8 er	j		
	Lift at it carried times	i were used and well is a	it solid waste facility:
575.— Isr	l		
	-		m
O· - 8aj.	solids		
	15. COD	mg/l	m
☐ Yes 至 No			
		<del></del>	·
	50 D min. 68. ft. 40 in. 45. gal. 25. gal.	bottom 13. Water clarity  1 0 0 min. 6 8. ft. 9 0 in. Fill in if drilling fluids 14. Total suspended solids 15. COD	

Facility/Project Name		Weil Name			
BADGER ARMY AMINITED	PBN-89-10C				
License, Permut or Monitoring Number		Wis Unique Weil Nu	nioer	DNR W	eil Number
1. Can this well be purged dry?	DY S KONO		Before Deve	looment	After Development
		11. Depth to Water	20.0.0	J.Opinor.	7 day Development
2. Well development method		(from top of	112	<u> 50</u> fl	112.58 fc
surged with bailer and bailed	<b>4</b> 1	well casing)	}		i
surged with bailer and pumped	□ 6 1	}	ł		
surged with block and bailed	4 2	Date	103/19	189	05/21/89 m m d d y y
surged with block and pumped	□ 6 2	1	mm d	yy	mm dd y y
surged with block, bailed and pumped	70	1		/C) 2.m.	mam.
compressed air	<b>2</b> 0	Time	10:01	2 🗖 p.m.	_0:00 am.
bailed only	<b>1</b> 0		ł		
pumped only	夏 5 1	12. Sediment in well		inches	inches
pumped slowly	50	bottom	Ì		1
Other	. 🗆 🗔	13. Water clarity	Ciest II 1		Clear 🛘 20
			Turbid 🔲 1	5	Turbid 25
3. Time spent developing well	_ <u> 105</u> min.	j	(Describe)		(Describe)
	i di n				
4. Depth of well (from top of well casisng)	190 fc		ļ	<del></del>	
5. Inside diameter of well	in_				
3. Inside diameter of well	<u>~</u> m				
6. Volume of water in filter pack and well		}	<del></del>		
casing	_11		l ———		l
	-T 8st	Fill in if drilling fluids		d m.n11 in a	se salid mass fasilim.
7. Volume of water removed from well	355 ral	Lift for it or or or or		r wen p	at solid waste facility:
Villing of the residence from the	~~.~	14. Total suspended	1	mg/l	mg/l
8. Volume of water added (if any)	O gal.	solids		·p.	
•		ł	Ì		İ
9. Source of water added		15. COD		mg/l	mg/1
	<del></del>	ł			1
10. Analysis performed on water added?	OYS EN				
(If yes, attach results)					
		·			
Additional comments on development:					
Weil developed by: Person's Name and Firm	<del></del>	I hereby certify that th	e above union	nation is f	rue and correct to the best
		of my knowledge.			
			117		<u> </u>
Name: R. DAVID DINSMOR	<u> </u>	Signature: Will	N DYN		<del></del>
Firm: CE BAILIBDAMENT	AL	Firm: D	>NV NOON	MENT	<u> </u>

inty/Project Name		Weil Name		
BADGER ARMY AMWNITON I License, Permit or Monitoring Number	PLANT	PRN - 39 - 10 Wis. Unique Weil Nu	'D	il Number
License, Permit of Monitoring Number		Wis. Unique Well Nu	DINK WE	Il Number
1. Can this well be purged dry?	□ Yes ☑ No		Before Development	After Development
3. Wall days lawners worked		11. Depth to Water (from top of	110 to a	111.06 ft
2. Well development method surged with bailer and bailed	<b>1</b> 41	well casing)		777.00
surged with bailer and pumped	□ 41 □ 61			
surged with block and bailed	□ 42	Date	NC MC 80	1175,00
surged with block and pumped	G 6 2		MW qq v v	10/25/89 mm d d y y
surged with block, bailed and pumped	70	j		1
compressed air	20	Time	9:00 pm.	; p.m.
bailed only	10			
pumped only	<b>西</b> 5 i	12. Sediment in well	inches	inches
pumped slowly	<u> 50</u>	bottom		
Other		13. Water clarity		Clear 🔲 20
		1	Turbid 🗖 15	Turbid 🔲 25
. Time spent developing well	_ <u>5</u> <u>3</u>   min.		(Describe)	(Describe)
. Depth of well (from top of well casisng)	240n			
. Inside diameter of well	_4.0_in			
. Abres mainter of wea				
6. Volume of water in filter pack and well				
casing	1 1 Q. 1 gal.	1	•————	
	7.4	Fill in if drilling fluid	were used and well is a	it solid waste facility:
. Volume of water removed from well	700gal		_	
3. Volume of water added (if any)	300gal.	14. Total suspended solids	mg/l	mg/l
Source of water added		15. COD	mg/l	ng/l
<del></del>				
10. Analysis performed on water added?	☐ Yes Æ No	1	ł	•
(If yes, attach results)				
Additional comments on development:	·	_	<del></del>	
Well developed by: Person's Name and Firm		I hereby certify that the of my knowledge.	ne above information is t	rue and correct to the bes
Name: JKt English		Signature: 100	w doch	
		- Auto-	· V/:	
Firm: CF ENVIRONMENTAL	<b></b>	Firm: CE	ENVIRONMEN	44

Facility/Project Name	Weil Name
RADGER ARMY AMUNITION PLANT	PBM-39-11
License, Permit or Monitoring Number	Wis. Unique Weil Number DNR Weil Number
1. Can this well be purged dry?	No Before Development After Development
1. Can this well be purged dry?	No Before Development After Development
2. Well development method	(from top of 106.73 ft. 106.69 ft.
surged with bailer and bailed 4 1	well casing)
surged with bailer and pumped 6 1	
surged with block and bailed	Due 05/27/84 03/22/89
surged with block and pumped	Dane $\frac{OS}{mm} = \frac{2Z}{84} = \frac{OS}{2S} = \frac{89}{mm} = \frac{3}{4} = \frac{89}{y}$
surged with block, bailed and pumped 7 0	
compressed air	Time 4:00 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
bailed only	
pumped only 🔼 5 1	12. Sediment in well inches inches
pumped slowly	bottom
Other 🗆 🗀	13. Water clarity Clear 2.10 Clear 20
	Turbid 15 Turbid 25
3. Time spent developing well336 min	1. — 1 — =
4. Depth of well (from top of well casising) 112 ft	
5. Inside diameter of well	
6. Volume of water in filter pack and well	
_ <u>S</u> Dg	al.
	Fill in if drilling fluids were used and well is at solid waste facility:
7. Volume of water removed from well <u>1 65 0</u> . gs	<u>т</u>
<b>.</b>	14. Total suspended mg/l mg/l
8. Volume of water added (if any) <u>S O O</u> ga	ıl. solids
<b>a. a.</b> a	
9. Source of water added DRillials Process	mg/lmg/l
	_
• • • • • • • • • • • • • • • • • • • •	№
(If yes, attach results)	
Acquionai comments on development:	
Well developed by: Person's Name and Firm	I hereby certury that the above information is true and correct to the best of my knowledge.
	/// / //
Name: R DAVID DINBMORE	Signature: Walder Con-
Firm: CE EN VIRONMENTAL	Firm: C. & EN VIRONMANHAL
C E IN MINA IN LIEM AND	T. A. SIA A MAINING MALA

Weil Number    DNR Weil Number
Water
O   C   R   O   O   R   R   O   O   R   R   O   O
OS/81   OS/82   89 mm   d d d y y y   mm   d d d y y y   mm   d d d y y y   mm   d d d y y y   mm   d d d y y y   mm   d d d y y y   mm   d d d y y y   mm   d d d y y y   mm   d d d y y y   mm   d d d y y y   mm   d d d y y y   mm   d d d y y y   mm   d d d y y y   mm   d d d y y y   mm   d d d y y y   mm   d d d y y y   mm   d d d y y y   mm   d d d y y y   mm   d d d y y y   mm   d d d y y y   mm   d d d y y y   mm   d d d y y y   mm   d d d y y y   mm   mm
9:00 p.m. 9:00 p.m. in well inches inche  rity Clear   10   Clear   20  Turbid   15   Turbid   25
9:00 p.m. 9:00 p.m. in well inches inche  rity Clear   10   Clear   20  Turbid   15   Turbid   25
9:00 p.m 9:00 p.m p.m inches
rity Clear   10   Clear   20   Turbid   25
rity Clear   10   Clear   20   Turbid   25
rity Clear   10 Clear   20 Turbid   15 Turbid   25
rity Clear   10 Clear   20 Turbid   15 Turbid   25
Turbid 15 Turbid 25
Turbid 15 Turbid 25
1 = 1 =
]
1
1
ing fluids were used and well is at solid waste facility:
pended mg/l mg
mg/lmg
-

Facinty/Project Name		Weil Name			
BADGER ARMY AMUNITION PLAN	nt.	251-19-N24			
License, Permit or Monitoring Number		Wis. Unique Weil Number   DNR Weil Number			
			<u> </u>		
1. Can this well be purged dry?	es EX No	11. Depth to Water	Before Deve	lopment	After Development
2. Well development method		(from top of	रहें	54£	89.85 ft
surged with bailer and bailed	4 1	well casing)	,	~	
	· -				
• • • •	6 1	<b></b>	1000	-	4 . 2 - 16
<del>-</del>	4 2	Date	07/29	2/9L	10/13/89 mm d d y y
surged with block and pumped	6 2				
• • • • • •	7 0	_	_ <u> </u>	E ann	: p.m.
compressed air	2 0	Time	-7:50	∑ D b·ur	:p.m.
	1 0	L			
pumped only	<b>J</b> 1	12. Sediment in well	··	inches	inches
pumped slowly	5 0	bottom			
Other	<u>and the re</u>	13. Water clarity	Ciear 📭 1	0	Clear 🛘 20
			Turbid 🔲 1	5	Turbid 🔲 25
3. Time spent developing well 15	<u>ع مبنہ</u>	l	(Describe)		(Describe)
	<b></b>				
4. Depth of well (from top of well casisng) 143	<b>Z</b> . <u>      f</u> L				
			l		
5. Inside diameter of well4.	<u> </u>	İ			
6. Volume of water in filter pack and well	_		t		
casing 23	<u> て. を gal</u>				
_		Fill in if drilling fluids	s were used an	d well is a	t solid waste facility:
7. Volume of water removed from well. 223	<u>5</u> gal.	1	i		
		14. Total suspended		mg/li	mg/l
8. Volume of water added (if any)	<u>)</u> gal.	solids	1		
	,	1			
9. Source of water added		15. COD	<b> </b>	mg/l	mg/l
			1		
10. Analysis performed on water added?	es BLNo	•	•	•	
(If yes, attach results)					
Additional comments on development:					
•					
Well developed by: Person's Name and Firm		II hereby comby that th	e acove inform	2000 16 11	rue and correct to the best
well developed by. Ferson's Ivanie and Film		of my knowledge.		·	the wird contact to file pear
		, //	1 / 1100		
Name:		Signature: NIM	ew 15401	~	
			1		
Firm: CE ENVIRONMENTAL		Firm: (E	ENVIRO	JMENT	AL _
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		1			·

#### MONITORING WELL DEVELOPMENT FORM

Facility/Project Name  8AAP - USATHAMA	Well Name	1-91-01	
License, Permit or Monitoring Number	Wis. Unique Weil Nun	DNR W	il Numoer
1. Can this well be purged dry?	11. Depth to Water	Before Development	After Development +
2. Well development method surged with bailer and bailed 4 1	(from top of well casing)	174.64 €	TAA. 65 4 144'
surged with bailer and pumped	Date	10/16/31	$\frac{10}{m  m} \frac{16}{d} \frac{9}{y} \frac{1}{y} = 10.18$
surged with block, bailed and pumped 7 0 compressed air 2 0 bailed only 1 0	Time	2 2:3   Dp.m.	_5:43 pm
pumped only (w/ surging) 5 1 pumped slowly 5 0	12. Sediment in well bottom 13. Water clarity	inches	inchés
3. Time spent developing well	13. Water clarity	Clear 10 Turbid 27 15 Describe)	Clear 25 20 Turbid 12 25 (Describe)
4. Depth of well (from top of well casisng) 152. ft.			
5. Inside diameter of well 28 16 17			
6. Volume of water in filter pack and well casing	Fill in if drilling fluids	were used and well is	at solid waste facility:
7. Volume of water removed from well62.0 gal	14. Total suspended	mg/l	_
8. Volume of water added (if any)	solids		mg/l
9. Source of water access	16. Screen length	(0.0 Ft.	mgr
10. Analysis performed on water added?  (If yes, attach results)  YUC	(from cliagram	,	labelled installed
Additional comments on development $-initial$ botton $W/C =20$ -finial botton  Stick-up = $2.1\pm$ 2.11	m reading =	151.72' and 45 and	
Stick-up = 2.1 ± T (°c) 14.5 —  Pump rate = NA pH (units) 7  Coump rate always chargin (cond. (umhas) 5	7 7.7 7.3 792 595	7.4	12.4 7.2 634
Well developed by: Person's Name and Firm		e acove information is	rue and correct to the best
Name: Nancy Roka/ Vicki Miller	Signature:	Nancy E.	Roka
Firm: ABB-ES		ABB-ES	
NOTE: Shaded sress are for DNR use only. See instructions for more	fin information. S +	ind-fos Redi- trauning cloth ubing used f	flo 2 wy brazz and 3/8" (D By development

ABB Environmental Services, Inc.	MONITORING WELL DEVELOPMENT FORM
Facility/Project Name	Well Name BAAP/ USATHAMA
License, Permit or Monitoring Number	Wis. Unique Weil Number DNR Weil Number
1. Can this well be purged dry?  2. Well development method  surged with bailer and bailed  surged with bailer and pumped  surged with block and bailed  surged with block and pumped  surged with block, bailed and pumped  compressed air  bailed only  pumped only (with surging)  pumped slowly  Other  3. Time spent developing well  4. Depth of well (from up of well casisng)  7. Volume of water in filter pack and well  casing  7. Volume of water removed from well  8. Volume of water added (if any)  9. Source of water added  9. Source of water added	Before Development After Development included from top of well casing)  Date    1   38.67 ft.   130.64 ft. 138
10. Analysis performed on water added?   [If yes, attach results]	17. Pump used was Grundfas Redi-Flo_2 w/
Additional comments on development 56 74, 93 (°C) 11.3 11.5 11.6 11.4 11.2 11.6 11.4 11.2 11.6 11.4 11.2 11.6 11.6 11.4 11.2 11.6 11.6 11.6 11.6 11.6 11.6 11.6	initial depth to: 140.95  final depth to: 140.95

Weil deve	eloped by: Person's Name and Firm	I hereby cert of my know	ufy that the acove information is true and correct to the best ledge.
Name:	D VOIV BUSINGEREER/D. DICKLE	Signature	V.T. wiBs/hlang
Firm:	ABB-ES	Firm:	ABB-ES

dcinty/Project Name		Weil Name	.AI	
BASCER ARMY AMUNITION	PLINT	LOM-87-		N.V.
License, Permit or Moniloring Number		Wis. Unique Weil Nu	noer DNR We	ill Number
1. Can this well be purged dry?	☐ Yes <b>E</b> No		Before Development	After Development
·	7.7	11. Depth to Water		
2. Well development method		(from top of	142.712	145.87
surged with bailer and bailed	□ 4 1	well casing)		
surged with bailer and pumped	<b>6</b> 1			
surged with block and bailed	□ 4 2	Date	03/05/89	03/06/37
surged with block and pumped	□ 62	1	mm dd y y	03/06/ <del>1</del> 1 mm d d y y
surged with block, bailed and pumped	70		ì	1
compressed air	2 0	Time	LL:202 p.m.	11:00 = 2.1
bailed only	10	ĺ		
pumped only	1 5 1	12. Sediment in well	inches	inche
pumped slowly	50	bottom		
Other		13. Water clarity	Clear 11 10	Clear 20
		1	Turbid 🔲 15	Turbid 🔲 25
3. Time spent developing well	60 min.		(Describe)	(Describe)
		ł		
4. Depth of well (from top of well casisng)	<u>156.</u> f			
	20			
5. Inside diameter of well	_ <b>4</b> . <b>L</b> _in			
		j		
6. Volume of water in filter pack and well	• •	İ		
casing	_ <u>3 4</u> gel			
		Fill in if drilling fluids	were used and well is a	u solid waste facility:
7. Volume of water removed from well	170 gal			[
	•	14. Total suspended	mg/l	m
8. Volume of water added (if any)	<u>0</u> gal.	solids		
		15. COD	_	
9. Source of water added		15. COD	mg/l	m
				İ
10 1 10 1 10 10 11 10	<b>5 2 3 4 3</b>	l	i	1
10. Analysis performed on water added? (If yes, attach results)	☐ Yes 🖪 No			
(ii yes, auach results)				
Add:uonal comments on development:		<del></del>		
Additional comments on development				
Well developed by: Person's Name and Firm		II hereby correfy that th	e acove information is t	rue and correct to the b
oisviis ivailie aist Fillit		of my knowledge.		
_		1	1/	
Name: R. David Diusmor	<b></b>	Signature:		
			1	
Firm: CE ENVIRONME	m Mac	Firm: CE	ENVIRON MON	ML

Facinity/Project Name		Weil Name			
BADGER DRMY AMUNITION	PLANT	Lon -89-0			
License, Permit or Monitoring Number		Wis Unique Weil N	iumoer	DNR W	eil Number
1. Can this well be purged dry?	□ Yes Q No	11. Depth to Water	Before Dev	elopment	After Development
Well development method     surged with bailer and bailed	□ 41	(from top of well casing)	145	<u><b>67</b></u> ft	146.20 ft
surged with bailer and pumped			1		
surged with block and bailed	□ 61 □ 42	Date	10-00		
surged with block and pumped	□ 42 □ 62	) Della	157/5	<u>,/=1</u>	03/67/89 mm d d y y
surged with block, bailed and pumped	<b>2</b> 02 <b>2</b> 70		1	• •	1
compressed air	20	Time	8:4	5 C nm	1≥:06□ a.m.
bailed only	<u> </u>			ar 🗀 Pan	
pumped only	<b>£</b> 5 1	12. Sediment in wel	ı 1	inches	inches
pumped slowly	5 0	pottom			
Other		13. Water clarity	Clear Ed	0	Clear 🛘 20
	- 4 ()	13	Turbid 🔲	1 <	Turbid 25
3. Time spent developing well	_105 min.		Describe)		(Describe)
4. Depth of well (from top of well casisng)	12 <b>6</b> n				
5. Inside diameter of well	_4.6_is				
6. Volume of water in filter pack and well					
casing	_32gal.		l		l
<b></b>	- 12 Jan 1544	Fill in if drilling flu	ids were used a	nd well is	at solid waste facility:
7. Volume of water removed from well	160. gal		1		1
		14. Total suspended	j	mg/	mg/l
8. Volume of water added (if any)	<u>6</u> gal.	solids			
9. Source of water added		15. COD		mg/l	mg/l
10. Analysis performed on water added? (If yes, attach results)	☐ Yes        No	1			1
Additional comments on development:					
Well developed by: Person's Name and Firm		I hereby certury that	the above unlos	mation is	true and correct to the best
		of my knowledge.		<del> </del>	
Name: R. David DingMor		Signature: W	M MC	_	
Fum: ( F GALLITTO)	les d	Firm: (_E	ENVIR	m)44.54	Llast
Fum: CEENVIRONMON	TIV	lenn.	<b>EVVIK</b>	~ V/7/64	TH

#### State of Wisconsin Department of Natural Resources

acinty/Project Name	) Plank	Weil Name	Weil Name LON) - 84-62 B			
BADGER ARMY AMUNITION LICENSE, Permit or Monitoring Number		Wis. Unique Weil Number   DNR Weil Number				
. Can this well be purged dry?	□ Yes ■ No	)	Before Development	After Developmen		
. Well development method		11. Depth to Water (from top of	146.172	145.68		
surged with bailer and bailed	<b>5</b> 4 1	well casing)				
surged with bailer and pumped	□ 41 □ 61					
surged with block and bailed	☐ 42	Date	A N / . + Q	03/07/89		
surged with block and pumped	☐ 62	Pele	03/16/39 mm d d y y	<u>03/01/6</u> ]		
surged with block, bailed and pumped	_		1	1		
compressed air		Time	工工:0 0 ₽m	12:00 P		
bailed only	_	THIS	TT.A. A.D. bau	1 TE: AAU b.		
	_	12. Sediment in well	inches	inch		
pumped only	<b>E</b> 51	bottom	menes	men		
pumped slowly Other	50	13. Water clarity	Ciest   10	Clear   20		
Other		13. Water Clarity	Turbid [] 15	Turbid 25		
. Time developing mult			Describe)	(Describe)		
3. Time spent developing well	90 min.	}	Describe)	(Describe)		
	20_0_ft					
4. Depth of well (from top of well casisng)	20 D _ II		<del></del>			
E Tarida diamatan afaman	_40 in	ł		ļ		
5. Inside diameter of well	_A.v.m			<u> </u>		
- 1				<u> </u>		
5. Volume of water in filter pack and well	<b>~</b> .			l		
casing	_51gal					
		Fill in if drilling fluid	s were used and well is :	at solid waste facility:		
7. Volume of water removed from well	<u> 725</u> gal					
		14. Total suspended	me/			
8. Volume of water added (if any)	gal.	solids		ł		
9. Source of water added		15. COD				
9. Source of water acces		15. COD		"		
		ļ	j	}		
10. Analysis performed on water added?	☐ Yes & N	,	•	•		
(If yes, attach results)						
Acditional comments on development:				<del></del>		
Acditional comments on development:		· · <del>-</del>		· · · · · · · · · · · · · · · · · · ·		

Fucialty/Project Name

### MONITORING WELL DEVELOPMENT Form 4400-113B 8-89

BADGER ARMY AMUNITION	PLANT	LON - 89	-03A		
License, Permit or Monitoring Number		Wis Unique Weil Nu	moer	DNR We	il Number
				<u> </u>	
1. Can this well be purged dry? 2. Well development method surged with bailer and bailed surged with bailer and pumped	□ Yes <b>2</b> No □ 4 1 □ 6 1	11. Depth to Water (from top of well casing)	Before Dev		After Development  147.55ft
surged with block and bailed surged with block and pumped surged with block, bailed and pumped compressed air bailed only pumped only pumped slowly Other  3. Time spent developing well	4 2 6 2 7 0 2 0 1 0 E 5 1 5 0	Time  12. Sediment in well bottom  13. Water clarity	O 3 / O 3 m m d  1 5 : O 4  Cier	dyy a.m. b.g p.m. inches	○ ≥ / ○ ≤ / ₹ ¶ m m d d y y y  16: ○ ○ ② p.m.
4. Depth of well (from top of well casising)	160n		WALES	Clear	
5. Inside diameter of well	_40_in		AD (DL		
Volume of water in filter pack and well casing      Volume of water removed from well      Volume of water added (if any)	_\$1gal _\$5gal 6gal	Fill in if drilling fluid  14. Total suspended solids	s were used as	nd well is a	_
9. Source of water added		15. COD		mg/l	mg/l
10. Analysis performed on water added? (If yes, attach results)	☐ Yes 图 No	1			
Additional comments on development:					
Weil developed by: Person's Name and Firm		I hereby certify that the of my knowledge.	ne above union	mation is t	rue and correct to the best
Name: R. David bibane	R.E	Signature: W	al elect		
Fum: CE CNUISONMEN	444	Firm: CC	PNKR	on)Mean)	tal

Well Name

#### State of Wisconsin Department of Natural Resources

Activity/Project Name	1	Weil Name LON - 89-03B			
Excesse, Permus or Monitoring Number	ent		Wis. Unique Weil Number DNR We		
			<del></del> _	÷- :	
. Can this well be purged dry?	🗆 Yes 📜	No 11. Depth to Water	Before Deve	lopment	After Development
. Well development method		(from top of	141.	14 ft	147.18 ft
surged with bailer and bailed	4 1	well casing)	1		İ
surged with bailer and pumped	□ 6 1	i			
surged with block and bailed	4 2	Date	03/05	189	05/06/39 mm d d y y
surged with block and pumped	6 2	ì	m m d	yy	mm dd y y
surged with block, bailed and pumped	70	1	ſ	_ [] a.m.	l a.m.
compressed air	2 0	Time	12:4:	E p.m.	13:00 p.m
bailed only	<b>1</b> 0		ł	,	-
pumped only	<b>22</b> 5 1	12. Sediment in well		inches	inches
pumped slowly	50	bottom	1		_
Other		13. Water clarity	Clear P 1	0	Clear 20
	_		Turbid 📋 1	5	Turbid 25
. Time spent developing well	15 min		(Describe)	_	(Describe)
		<b>-</b>	ĺ		
. Depth of well (from top of well casisng)	199a				
		1			·
. Inside diameter of well	_4.0_in				l———
			<u> </u>		
i. Volume of water in filter pack and well		Ī			
casing	_ <u>56</u> s	.1	1 <del></del>		l
			ls were used an	d well is	at solid waste facility:
V. Volume of water removed from well	280. 2	1.	1		1
		14. Total suspended	1	mg/l	mg/
3. Volume of water added (if any)				·	
. Folding of Herr Speed (W 217)	M 8-		1		
). Source of water added		15. COD		A	mg/
. Source of water added		- 15.000		mg/	mg/
	<del></del>	_ 1	ı		1
0. Analysis performed on water added?	OYS E	No			
(If yes, attach results)					
<del></del>					
Additional comments on development:					



#### ABB Environmental Services, Inc.

#### MONITORING WELL DEVELOPMENT FORM

Facility/Project Name BAAP - USATHAMA	Weil Name SPN-91-02D
License, Permit or Monitoring Number	Wis, Unique Weil Number DNR Well Number
1. Can this well be purged dry?  2. Well development method  surged with bailer and bailed  surged with bailer and pumped  surged with block and bailed  surged with block and pumped  surged with block bailed and pumped  compressed air  bailed only  pumped only (with surging)  pumped slowly  Other  3. Time spent developing well  4. Depth of well (from top of well casisng)  4. Depth of water in filter pack and well  casing  7. Volume of water in filter pack and well  casing  7. Volume of water removed from well  8. Volume of water added (if any)  9. Source of water added  10. Analysis performed on water added?  (If yes, attach results)	Before Development After Development   24   1   1   1   2   1   1   2   2   3   4   4   4   7   7   7   7   7   7   7
Additional comments on development:  T(°C)  12.1 10.5 11.6 11.3  pH (units) 8.5 7.8 8.4 3.7  cond. (umhos) 954 590 345 379  Time 1542 1315 1115 1445  1/10/91 11/19/91 11/26/91 11/26/91  Well developed by: Person's Name and Firm	stick-up: 2.40 = FROM eRWD  instial depth to: 184.79'  final depth to: 194.11'  final depth to: 194.11'  Institute the source information is true and correct to the best of my knowledge.
Name: D. DAVID LOUCKS  Firm: ABB ENVIRONMENTAL SERVICES	Firm: ABB ENVIRONMENTAL SERVICES

NOTE: Shaded areas are for DNR use only. See instructions for more information.
118.91 Pump 1 hr.
119.91 Started at 0730, Pump down at 0800, Dack up 0930.

STITTL DIMPING AT 1645 11.19.21

11/38/11 - RANGET OF WAS AT 1140 RESUMED PUMPING AT 1155

### METAL WELL PIPE ABOVE GROUND SURFACE - 2.5 ft PYC WELL CASING TOP BELOW METAL PIPE TOP - 2.0 IN.

#### ABB Environmental Services, Inc.

#### MONITORING WELL DEVELOPMENT FORM

Facility/Project Name  BAAP - USATHAMA	Well Name SPN-91-03D
License, Permit or Monitoring Number	Wis. Unique Weil Number DNR-Weil Number
1. Can this well be purged dry?  2. Well development method  surged with bailer and bailed  surged with bailer and pumped  surged with block and bailed  surged with block and pumped  surged with block and pumped  contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact the pumped contact t	11. Depth to Water (from top of well casing)  Before Development After Development   Caler    57.24 ft.   57.23 ft. 52.23    Date
surged with block, bailed and pumped 7 0 compressed air 2 0 bailed only 1 0 pumped only (with surging) 5 1 pumped slowly 5 0 Other 1	Time  O7: 45 pm  L1: 30 pm. 1350  12. Sediment in well bottom  13. Water clarity  Clear 10 Cent 20  Turbid 15 Turbid 125
3. Time spent developing well  4. Depth of well (from top of well casising)  5. Inside diameter of well  6. Volume of water in filter pack and well	Turbid 15 Turbid 25 (Describe)  SL/GNTCY CLOUPY
6. Volume of water in filter pack and well casing  7. Volume of water removed from well  8. Volume of water added (if any)  9. Source of water added  8. Put 2  9. Source of water added  8. Put 2	Fill in if drilling fluids were used and well is at solid waste facility:  14. Total suspended mg/l mg/l  15. COD mg/l mg/l
10. Analysis performed on water added?	in screen 10.0 ft.
Additional comments on development: 71640  T (°C) 11.2 10.7 10.2 Met therew 7.0  The cond. (jumbos) 520 490 446 146 1460 1110  11.21.91 11.22.91	stick-up: 2.5" =  initial depth to: 203.39  final depth to: 203.40  bottom  203.40
Name: B. DAVID LOUCKS  Firm: ABB ENVIRONMENTAL SERVICES	Signature: B. Down Louis Services  Firm: ABB KNVIRON MANTAL SERVICES

NOTE: Shaded areas are for DNR use only. See instructions for more information.

11. 1.91 2 Pumping Begins AT 0850 @ 1.8 Gpm
11. 1.91 2 Pump Begins AT 1320 @ 4.9 Gpm

ignial party of the williams of concers of property approximately and one of the con-

### ABB Environmental Services, Inc.

#### MONITORING WELL DEVELOPMENT FORM

FACILITY/Project Name BAAP- USATHAMA	Well Name SPN-91-04D
License, Permit or Monitoring Number	Wis. Unique Weil Number DNR Weil Number
1. Can this well be purged dry?  2. Well development method  surged with bailer and bailed  surged with bailer and pumped  surged with block and bailed  surged with block and bailed  surged with block and pumped  surged with block, bailed and pumped  compressed air  bailed only  pumped only (with surging)  pumped slowly	11. Depth to Water (from top of well casing)   Before Development   After Development   Interpretation   After Development   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation
Other  3. Time spent developing well  4. Depth of well (from top of well casising)  5. Inside diameter of well  6. Volume of water in filter pack and well	Clear 10 Clear 20 Turbid 15 Turbid 25 (Describe) (Describe)
7. Volume of water removed from well  3.7.7.3.5 gal.  8. Volume of water added (if any)  1000.0 gal.	Fill in if drilling fluids were used and well is at solid waste facility:  14. Total suspended mg/l mg/l
9. Source of water added BPW #2  10. Analysis performed on water added? Yes D No (If yes, anach results)	15. CODmg/l  16. Screen   [0.0 ft.]
Additional comments on development:  (°C) Not Parkey Not Taken For Taken Int Parkey  ("C) Not Parkey Not Taken For Taken Int Parkey  ("C) Not Parkey Not Taken For Taken Int Parkey  ("C) Not Parkey Not Taken Int Parkey  ("C) Not Parkey Not Taken Int Parkey  ("C) Not Parkey Not Taken Int Parkey  ("C) Not Parkey Not Taken Int Parkey  ("C) Not Parkey Not Taken Int Parkey  ("C) Not Parkey Not Taken Int Parkey  ("C) Not Parkey Not Taken Int Parkey  ("C) Not Parkey Not Taken Int Parkey  ("C) Not Parkey Not Taken Int Parkey  ("C) Not Parkey Not Taken Int Parkey  ("C) Not Parkey Not Taken Int Parkey  ("C) Not Parkey Not Taken Int Parkey  ("C) Not Parkey Not Taken Int Parkey  ("C) Not Parkey Not Taken Int Parkey  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C) 7.0  ("C	stick-up: -36/2.45  instial depth to: 207.75  final depth to: 203.85  203.87
Name: B. DAVIO LOUCKS  Firm: ABB ENVIRONMENTAL SERVICES	Thereby certify that the above information is true and correct to the best of my knowledge.  Signature: B. DAVIL LOUIS  Firm: ABB KUVIRON MENTAL SERVICES

NOTE: Shaded areas are for DNR use only. See instructions for more information.

BEGAN Pumping AT 1835 @3.5 Gpm - Pumping ENDS AT 1635 ON 11-82-91
BEGAN Pumping AT DEST VI D During DRADWING & CONDUING GAM OF 0.5. 11-23-91

Exercise. Permut or Monutoring Number  1. Can this well be purged dry?  2. Well development method surged with bailer and bailed surged with bailer and pumped surged with block and bailed surged with block and pumped surged with block and pumped compressed air bailed only pumped only pumped only pumped slowly Other  3. Time spent developing well  4. Depth of well (from top of well casisng)  5. Inside diameter of well  6. Volume of water in filter pack and well casing  7. Volume of water removed from well  8. Volume of water added (if any)  6. gal.	11. Depth to Water (from top of well casing)  Date  O(1/29/90 mm d d y y y)  Time  12. Sediment in well bottom  13. Water clarity  Clear   10   15   10   10   15   15   15   15
2. Well development method  surged with bailer and bailed	11. Depth to Water (from top of well casing)  Date  O(1/29/90 mm d d y y y)  Time  12. Sediment in well bottom  13. Water clarity  Clear   10   15   10   10   15   15   15   15
surged with bailer and bailed   4 1   surged with bailer and pumped   6 1   surged with block and bailed   4 2   surged with block and pumped   6 2   surged with block, bailed and pumped   7 0   compressed air   2 0   bailed only   1 0   pumped only   5 1   pumped slowly   5 0   Other   1	Common top of well casing
surged with bailer and pumped   6 1    surged with block and bailed   4 2    surged with block and pumped   6 2    surged with block and pumped   7 0    compressed air   2 0    bailed only   1 0    pumped only   5 1    pumped slowly   5 0    Other   1	well casing)  Date  O 4 / 2 9 / 9 0  m m d d y y  Time  12. Sediment in well bottom  13. Water clarity  Clear 1 0  Turbid 2 15  Describe)  Clear 2 0  Turbid 2 25  Describe)
surged with bailer and pumped  surged with block and bailed  surged with block and pumped  surged with block, bailed and pumped  compressed air  bailed only  pumped only  pumped slowly  Other  Time spent developing well  Depth of well (from top of well casisng)  LQO	Date
surged with block and bailed  surged with block and pumped  surged with block, bailed and pumped  compressed air  bailed only  pumped only  pumped slowly  Other  Time spent developing well  Time spent developing well  Time spent developing well  Time spent developing well  Time spent developing well  Time spent developing well  Time spent developing well  Time spent developing well  So Inside diameter of well  So Volume of water in filter pack and well casing  To Volume of water removed from well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The spent developing well  The	Time    Time
surged with block and pumped  surged with block, bailed and pumped  compressed air  bailed only  pumped only  pumped slowly  Other  Time spent developing well  Depth of well (from top of well casisng)  LOO in.  Volume of water in filter pack and well  casing  Sq. gal.	Time    Time
surged with block, bailed and pumped  compressed air  bailed only  pumped only  pumped slowly  Other  Time spent developing well  Depth of well (from top of well casisng)  LOO	Time
compressed air bailed only pumped only pumped slowly Other  Time spent developing well  Depth of well (from top of well casisng)  LOO_ in.  Volume of water in filter pack and well casing  Sqgal.	12. Sediment in well bottom  13. Water clarity  Clear 10 Clear 20 Turbid 15 Turbid 25 Describe)  (Describe)
bailed only pumped only pumped slowly Other  Time spent developing well  Depth of well (from top of well casisng)  Lace of the control of water in filter pack and well casing  Volume of water removed from well  Volume of water removed from well  295. gal.	12. Sediment in well bottom  13. Water clarity  Clear 10 Clear 20 Turbid 15 Turbid 25 Describe)  (Describe)
pumped only pumped slowly Other  Time spent developing well  Depth of well (from top of well casisng)  I LO	bottom 13. Water clarity  Clear   10   Clear   20   Turbid   15   Turbid   25   Describe)  (Describe)
Depth of well (from top of well casisng)  JAO. ft  Joint State diameter of well  Joint State diameter of well  Joint State diameter of well  Joint State diameter of water in filter pack and well casing  Joint State diameter of water removed from well  Joint State diameter of water removed from well  Joint State diameter of water removed from well  Joint State diameter of water removed from well  Joint State diameter of water removed from well	bottom 13. Water clarity  Clear   10   Clear   20   Turbid   15   Turbid   25   Describe)  (Describe)
Other	Clear   10   Clear   20   Turbid   25   Describe)   Clear   20   Turbid   25   Clear   25   Clear   25   Clear   26   Clear   26   Clear   26   Clear   26   Clear   26   Clear   26   Clear   26   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clear   20   Clea
Time spent developing well	Turbid 15 Turbid 25 (Describe)
Depth of well (from top of well casisng)  LZOft  LInside diameter of well  Volume of water in filter pack and well casing  Sqgal.  Volume of water removed from well  295gal.	
5. Inside diameter of well  5. Volume of water in filter pack and well casing  7. Volume of water removed from well  7. Volume of water removed from well  7. Volume of water removed from well	
5. Volume of water in filter pack and well casing	
casing	
casing	
. Volume of water added (if any)	Fill in if drilling fluids were used and well is at solid waste facility:  14. Total suspended mg/l m
	14. Total suspended mg/l m
. Source of water added	15. COD mg/l m
10. Analysis performed on water added?   Yes No (If yes, attach results)	
Additional comments on development:	

rucinity/Project Name	_	Weil Name			
BADGERMARMY AMONHION	Demot	78-W42	1-02A		
License, Permit or Monitoring Number		Wis Unique Weil Nu		DNR We	il Number
		into Addition	<del></del>		
1. Can this well be purged dry?	□ Yes 💆 No	11. Depth to Water	Before Dev	elopment	After Development
Well development method    surged with bailer and bailed    surged with bailer and pumped	□ 41 □ 61	(from top of well casing)	_58	80 ft	<b>₹58.70</b> ft
surged with block and bailed surged with block and pumped surged with block, bailed and pumped	□ 4 2 □ 6 2 □ 7 0	Date	03/13 mm d	/ 9 6 y y a.m.	
compressed air bailed only	D 2 0 D 1 0	Time	-4:50		
pumped only pumped slowly Other	5 1 5 0	12. Sediment in well bottom 13. Water clarity	Clear 1		Clear 20
3. Time spent developing well			Turbid 22 1 Describe) Water		Turbid [] 25 (Describe)
4. Depth of well (from top of well casisng)	_12ft		Clayby -	FINE	
5. Inside diameter of well	_ <u>4</u> . <u>0</u> _ in.		no on		
<ol> <li>Volume of water in filter pack and well casing</li> </ol>	_ <u>물</u> Z gal				
7. Volume of water removed from well	160gal	Fill in if drilling fluid	s were used an	d well is a mg/l	
B. Volume of water added (if any)	Q gal.	solids		· · <u> </u>	
9. Source of water added		15. COD		mg/l	mg/l
10. Analysis performed on water added? (If yes, attach results)	☐ Yes ☐ No	1	i		ĺ
additional comments on development:					
Weil developed by: Person's Name and Firm		I hereby certify that the of my knowledge.	e above union	nation is t	rue and correct to the best
Name: R. Dauld DIAS MORE		Signature: M//	m cyl	<u>-</u>	<del></del>
Fum: CEENUIRANMEN	NAC	Firm: E	ENVIR	NMEN	utal_

BADGER ARMY AMUNITOU PL	TVA	Weil Name SPN-59-02B			
License, Permit or Monitoring Number		Wis. Unique Well Nur	DNR We	il Number	
1. Can this well be purged dry?	Yes ELNo		Before Development	After Development	
2. Well development method  surged with bailer and bailed  surged with bailer and pumped		11. Depth to Water (from top of well casing)	_59.69 ft	_ <u>58.0</u> _ft.	
surged with block and bailed surged with block and pumped surged with block, bailed and pumped	1 4 2 1 6 2	Date		$\frac{0}{m} \frac{5}{m} / \frac{0}{d} \frac{2}{d} / \frac{29}{y}$	
compressed air bailed only pumped only	20	Time 12 Sediment in well	8: 15 m a.m.		
pumped slowly Other	<u> 50</u>	bottom 13. Water clarity	Clear 100 10 Turbid 10 15	Clear   20 Turbid   25	
3. Time spent developing well	925 min.			(Describe)	
	<u>0</u>				
. Inside diameter of well	<u> </u>				
6. Volume of water in filter pack and well casing	<u>≤0</u> gal				
7. Volume of water removed from well 46.	7 <u>5</u> gal.		were used and well is a		
3. Volume of water added (if any)	<u>5 0</u> gal.	14. Total suspended solids	mg/l	my	
). Source of water added		15. COD	mg/l	mg/	
10. Analysis performed on water added?  (If yes, attach results)	Yes A No	1	1		
Additional comments on development					
well developed by: Person's Name and Firm		I hereby curtify that the of my knowledge.	e acove information is t	rue and correct to the best	
Name: DWA LEBLANK	· · · · · · · · · · · · · · · · · · ·	Signature: 1/6/1	m cycl		
im: CEENVIRONMENTH		Firm: <u>CE</u>	ENVIRONME	WAL	

ADGER ARMY AMUNITION PLANT SON-89-02C				
icense, Permit or Monitoring Number	Wis. Unique Weil Number DNR Weil Number			
1. Can this well be purged dry?  2. Well development method surged with bailer and bailed  surged with bailer and pumped  1. Can this well be purged dry?  2. Well development method  surged with bailer and pumped  1. Can this well be purged dry?  2. No  3. No  4. 1  5. If the purged dry?  6. 1	Before Development After Development  11. Depth to Water (from top of well casing)  Before Development After Development  57.76 ft. 59. ft.			
surged with block and bailed 4 2 surged with block and pumped 6 2 surged with block, bailed and pumped 7 0 compressed air 2 0 bailed only 1 0	Date    Date   DS   08   89   10   25   89   m m d d y y			
pumped only pumped slowly  Other	12. Sediment in well inches inches bottom  13. Water clarity Clear 52 10 Clear 120			
Time spent developing well 1261 min.	Turbid 15 Turbid 25 (Describe) (Describe)			
1. Depth of well (from top of well casising) 131 ft.				
. Inside diameter of well				
. Volume of water in filter pack and well casing	Fill in if drilling fluids were used and well is at solid waste facility:  14. Total susperded mg/l mg  15. COD mg/l mg/l mg/l			
0. Analysis performed on water added?   Yes No (If yes, attach results)	1 1			
Additional comments on development:				
eil developed by: Person's Name and Firm	I hereby cortuly that the above information is true and correct to the best of my knowledge.			
Vame: Two Le Blank	Signature: Nill N. N. N.			
im: CEENVIRONMENTO	Firm: C. E ENVIRONMENTAL			

License, Permit or Monitoring Number	<del></del>	Wis. Unique Weil Nu	DNR W	il Numoer
1. Can this well be purged dry?	□ Yes □ K No	11. Depth to Water	Before Development	After Development
2. Well development method		(from top of	42.87ft	54.23
surged with bailer and bailed	□ 41	well casing)		
surged with bailer and pumped	61		}	
surged with block and bailed	□ 4 2	Date	105,01,84	16,75,89
surged with block and pumped	□ 62	1	05/01/89 m m d d d y y	16/25/89 mm d d y
surged with block, bailed and pumped			1	-
compressed air	20	Time	12:00 = am.	:;;
bailed only	10	1		
pumped only	三 四 5 1	12. Sediment in well	inches	inche
pumped slowly	<b>5</b> 0	pottom		
Other		13. Water clarity	Cier 2 10	Clear 🛘 20
	-		Turbid 🔲 15	Turbid 25
3. Time spent developing well	<u>945 min.</u>		,	(Describe)
			<b> </b>	
4. Depth of well (from top of well casisng)	_95fL			
5. Inside diameter of well	_4.0_in	İ		
5. Volume of water in filter pack and well			ļ	
casing	_ <u>37</u> gal.		l	l
casing	— 5.1· − 8±	Eill in if drilling fluid	s were used and well is a	e solid wasta facilism
7. Volume of water removed from well	5660. gal.	Lin at a camilla troug	   west most will well in a	i solic wasa tazility:
Totalic of want lettoved hold well	~ ~	14. Total suspended	mg/l	
3. Volume of water added (if any)	1 3 22 gal.	solids		
9. Source of water added		15. COD	mg/l	
10. Analysis performed on water added?  (If yes, attach results)	OYS & No			
(it yes, attach results)				
Additional comments on developments				
- GOLDONA COMMITTEES ON CEVEROPMENT				
Veil developed by: Person's Name and Fire	n	I hereby certify that the	ne acove unformation s t	rue and correct to the be
		of my knowledge.	<del>, , f  </del> -	
		Signature: M/	b/ /w/.	
			w 1 1/1 <del></del>	
Vame:	<del> </del>	1110		<del></del>

Fucinity/Project Name  BADGER ARMY AMUNITION PLANT	Weil Name SAN -89-03C			
License, Permit or Monitoring Number	Wis. Unique Weil Number DNR Weil Number			
	<u> </u>	<del></del>		
1. Can this well be purged dry?		Before Development	After Development	
2. Well development method	11. Depth to Water (from top of	£3.08 £	_54.411	
	well casing)		ーオゴ・コイド	
surged with bailer and bailed 4 1			ļ	
surged with bailer and pumped 6 1		DU0		
surged with block and bailed 4 2	Date	127/55/57	10/25/89 mm d d y y	
surged with block and pumped 6 2 surged with block, bailed and pumped 7 0	1		1	
surged with block, bailed and pumped	Time	15:30 p.m.	:	
	AMIR	- A TAK bur	1 p.m.	
· —	12. Sediment in well	inches	inches	
pumped only 5 1 pumped slowly 5 0	bottom	menes	unches	
Other   Other	13. Water clarity	Ciear 🔲 10	Clear   20	
	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	Turbid 15	Turbid 25	
3. Time spent developing well	ł	(Describe)	(Describe)	
3. Time spent developing well 1445 min.		,,		
4. Depth of well (from top of well casisng) 129ft	I	l		
and an india what were sensited				
5. Inside diameter of well	1	<del></del>	<del></del>	
	1	\ <del></del>	<del></del>	
6. Volume of water in filter pack and well	1		<del></del>	
casing		I <del></del>	I <del></del>	
	Fill in if drilling fluids	were used and well is a	nt solid waste facility	
7. Volume of water removed from well \$6 10. gal.				
· ····· · · · · · · · · · · · · · · ·	14. Total suspended	mg/l	mg/l	
8. Volume of water added (if any) 2800 gal.	solids			
9. Source of water added	15. COD	mg/l	mg/l	
		1		
10. Analysis performed on water added?	ı	•	•	
(If yes, attach results)				
Activional comments on development				
Additional comments on development:				
Weil developed by: Person's Name and Firm	I hereby certury that the of my knowledge.	e acove information is t	rue and correct to the best	
Name:	Signature: 1/1/	2/ Nr		
* 461 PG.	-	W WWY		
Firm: C E ENVIRONMENTAL	Firm: CF	ENVIRONME	لملا	
- C C TO INDIMENTAL	<u>.  '""                                  </u>	- WINDOW	VIVI	

SADGER ARMY AMUNI	ture la lair	-P8-N92	OUR	
cicense, Permit or Monitoring Number	100 2-01	Wis. Unique Weil Nu		eil Number
. Can this well be purged dry?	□ Yes <b>Z</b> , No	D 11 11/11	Before Development	After Development
. Well development method		11. Depth to Water (from top of	38 77 ft	n 87.82
surged with bailer and bailed	<b>4</b> 1	well casing)	] <u></u> .	
surged with bailer and pumped	□ 61			
surged with block and bailed	□ 42	Date	D 3. 14.84	100.00
surged with block and pumped	□ 62	!		05/21/89 mm d d y y
surged with block, bailed and pumped	7 0	Ì	4	1
compressed air	20	Time	13.00	13:00 = 2.n
bailed only	<b>1</b> 0			
pumped only	四 5 1	12. Sediment in well	inches	. inche
pumped slowly	5 0	bottom		
Other		13. Water clarity	Clear 🛮 10	Clear 20
	رهجي د -	1.5,,	Turbid 15	Turbid 25
Time spent developing well		1	Describe)	(Describe)
			Cloudy	,
1. Depth of well (from top of well casisng)	_24ft			
5. Inside diameter of well	_4.0_in			
5. Volume of water in filter pack and well	_ <u>33</u> gal.		I	
casing	_33.—8er	Tim in it and in a facility		an and discussion for the con-
7. Volume of water removed from well	1 65. gal.	Lin at it cannad union	were used and well is:	at south waste facility:
. Volume of water removed from wen		14 T	mg/	
B. Volume of water added (if any)	Ogal.	14. Total suspended solids		' ^m 8
9. Source of water added		15. COD	mg/	ms
10. Analysis performed on water added? (If yes, attach results)	☐ Yes QAL No			

BADGER ARMY AMUNITION PLANT	SPN -59 -OLI C
License, Permit or Monitoring Number	Wis. Unique Weil Number DNR Well Number
1. Can this well be purged dry?  2. Well development method  surged with bailer and bailed  surged with bailer and pumped  surged with block and bailed  surged with block and pumped  surged with block bailed and pumped  compressed air  bailed only  pumped only  pumped slowly  Other  3. Time spent developing well  4. Depth of well (from top of well casisng)  5. Inside diameter of well  6. Volume of water in filter pack and well  casing  7. Volume of water removed from well  8. Volume of water added (if any)  9. Source of water added  10. Analysis performed on water added?  (If yes, attach results)	11. Depth to Water (from top of well casing)  Date  \[ \begin{array}{c ccccccccccccccccccccccccccccccccccc
Well developed by: Person's Name and Firm Name:	I hereby certury that the above unformation is true and correct to the best of my knowledge.  Signature:
Firm: CEENVIRONMENTAL	Firm: <u>CEENVIRONMENTAL</u>

Weil Name		
FB - U42 +U	-05A	
Wis. Unique Wei	1 Number DNR W	eil Number
	Defe- 5	
• .		After Development
	- עוו ה	40.03 ft
	-7v.~-	
•	ļ	ĺ
	2 62 48	A 2 7 d
· <del>·</del> · · ·		1 55/53/91
	11.15	13:00 am
· · ·	T	7 3. 22 U P
	vell inches	. inche
	Cer FI 10	Clear 20
		Turbid [] 25
:_	<del></del>	(Describe)
_ mm.		,
. fc		
) in.		
	<del></del>	
), gal.	I <del></del>	. !
	fluids were used and well is	at solid waste facility:
gal.	1	1
	led mg/	1 n
gal. solids		
15. COD	mg/	1 mg
≝ No	•	•
	Wis. Unique Wei  Wis. Unique Wei  II. Depth to Wa (from top of well casing)  Date  Time  12. Sediment in w bottom  13. Water clarity minft. galgalgalgalgalgal. 14. Total suspend solids  15. COD	Wis. Unique Weil Number  DNR W  11. Depth to Water (from top of well casing)  12. Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Date  Da

Facility/Project Name  BADGER ARMY AMUNITON	DINATT	Weil Name			
	T	SPN-89-0	<u> </u>		
License, Permit or Monitoring Number		Wis Unique Weil Nu	moe	DNRW	LL Number
				<u> </u>	
1. Can this well be purged dry?	□ Yes □ No		Reform Don	-l	4 6000 Davids
r. Can any went be purged dry:	U. 10	11. Depth to Water	Before Dev		After Development
2. Well development method		(from top of	# 39 # 24	14	_40.39 fc
surged with bailer and bailed	□ 41	well casing)		r	w_21"
surged with bailer and pumped		_	1		
surged with block and bailed	□ 42	Date	105.0	. •a	
surged with block and pumped	0 62	! —	05/Q	L/==	10/35/59 mm d d y y
surged with block, bailed and pumped	<b>2</b> 70		1	• •	1 ' '
compressed air	□ 20	Time	14:0		
bailed only	10	!		hann	L hair
pumped only	_	12. Sediment in well		inches	inches
pumped slowly	5 0	ропош			
Other		13. Water clarity	Cer 🗆 1	0	Cer 20
	ــــــــــــــــــــــــــــــــــــــ		Turbid	5	Turbid 25
3. Time spent developing well	S 4 min.		Describe)		(Describe)
		1			,
4. Depth of well (from top of well casisng)	_ <b>68</b> ft				
5. Inside diameter of well	_4.0_in				
•	,				
6. Volume of water in filter pack and well					
casing	_ <u> </u>				<del></del>
		Fill in if drilling fluid	were used ar	ıd well is a	u solid waste facility:
7. Volume of water removed from well	220 gai	l			·
		14. Total suspended		mg/l	mg/l
8. Volume of water added (if any)	Q gal.	solids	Ì		
•					
9. Source of water added		15. COD		<u> </u>	mg/l
			1		i
	<del></del>	1			
10. Analysis performed on water added?	DYS KNO				
(If yes, attach results)					
Actitional comments on developments					
N. Laminard has Bernard has a second					
Well developed by: Person's Name and Firm		of my knowledge.	v 1 DONE IDTOU	mation is a	rue and correct to the best
		1/			
Name: TIND LE BLANC		Signature h	VMC		
	· · · · · · · · · · · · · · · · · · ·	1	<del> </del>		
Fum: CEENVIRONMEN	A-AJ	Firm: C P	ENVIR	~,40	لملا
	د د د د د د د د د د د د د د د د د د د	_ <del></del>	ANTE		VI-17

Country/Project Name  Browner pamy Awwithou	Dimit	DB M -80	1 A)		
License, Permit or Monitoring Number		Wis. Unique Weil Nur		DNR Wei	I Number
. Can this well be purged dry?	☐ Yes B No		Before Deve	lopment	After Development
2. Well development method surged with bailer and bailed surged with bailer and pumped	□ 41 □ 61	11. Depth to Water (from top of well casing)	110.		11200 fc
surged with block and bailed surged with block and pumped surged with block, bailed and pumped	1 4 2 1 6 2 1 7 0	Date			03 /07/89 m m d d y y y
compressed air bailed only pumped only	2 0 1 0 Es 5 1	Time 12. Sediment in well bottom		_ inches	
Other	50	13. Water clarity	Clear <b>1</b> 1 Turbid 1 1 Describe)	5	Clear 20 Turbid 25 Describe)
	TタA・T tr 72 wir				
5. Inside diameter of well	_ㅂ.ㅂ_in.				
6. Volume of water in filter pack and well casing	_27gal.	Fill in if drilling fluids			anlid wasta facility
	185gal.	14. Total suspended		mg/l	mg/
•	<u>6</u> gal.	solids			
9. Source of water added		15. COD		mg/l	mg/
10. Analysis performed on water added? (If yes, attach results)	☐ Yes ☐ No	l	ł	1	
Additional comments on development:		<del></del>		<del></del>	
Weil developed by: Person's Name and Firm		I hereby certury that the of my knowledge.	e above union	nation is tr	ue and correct to the bes
Name: RDBHD Dhanner		Signanure: M//	m/ 4/4	<u> </u>	
Fum: CE ENVIRONMENTO		Firm: CE	ENTI	SOMME	WHAL

		DB M-89-0	/ CR		
License, Permit or Monitoring Number		Wis. Unique Weil Nur		DNR We	Il Number
1. Can this well be purged dry?  2. Well development method surged with bailer and bailed surged with bailer and pumped surged with block and bailed surged with block and pumped surged with block, bailed and pumped compressed air bailed only pumped only pumped slowly Other  3. Time spent developing well	Yes El No  4 1 6 1 4 2 6 2 7 0 2 0 1 0 5 1 5 0 6 2 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0	11. Depth to Water (from top of well casing)  Date  Time  12. Sediment in well bottom  13. Water clarity	Before Deve  1 0 7 .3  0 5 / 0 6 m m d d  1 5 : 0 6  Clear 2 1 Turbid 1 Describe)	y y y a.m. inches	107.63 ft.  03/07/84 m m d d y y  15:20 p.m.
5. Inside diameter of well 6. Volume of water in filter pack and well casing 7. Volume of water removed from well	120ft4.0_in37gal. 125gal.	Fill in if drilling fluid		d well is a	
8. Volume of water added (if any)  9. Source of water added		15. COD		mg/l	mg/l
10. Analysis performed on water added? (If yes, attach results)  Additional comments on development:	□ Yes Q No		1	100	
Well developed by: Person's Name and Firm		I hereby certify that to of my knowledge.	he above infor	mation is (	true and correct to the best
Name: R DAVID DINSMORE Firm: C-E-ENVIRONMENTAL		Signature: W/	WAN DY	on me	av tac

ciuty/Project Name	<b>.</b>	Weil Name	· // 8		
BADGER ARMY AMUNITION	DLMT	DBN - 89		Castan W	·
License, Permit or Monitoring Number		Wis. Unique Well Nu	noer	DAK WE	il Numoer
Can this well be purged dry?	□ Yes 🙇 No		Before Dev	elopment	After Development
N 177-19 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		11. Depth to Water (from top of	107.	714	107.72ft
. Well development method surged with bailer and bailed	□ 41	well casing)	TAT.	<u> </u>	
surged with bailer and pumped	□ 61				<b> </b>
surged with block and bailed	□ 42	Date	03/03	7 ,29	03/05/89
surged with block and pumped	□ 6 2	1	m m d	년 ' <del>' ' ' ' '</del>	03/03/xq
surged with block, bailed and pumped	7 0			E a.m.	₽ a.m.
compressed air	<b>□</b> 20	Time	_2:2	O 🗖 p.m.	10:00 p.m.
bailed only	10		1		
pumped only	<b>E</b> 51	12. Sediment in well		inches	inches
pumped slowly	50	bottom	la		la
Other		13. Water clarity	Clear 2 1	. 0	Clear   20 Turbid   25
. Time spent developing well	25.	1	(Describe)	15	(Describe)
. Tune spent developing wen	75 min.		,		,
Depth of well (from top of well casisng)	72Ttr				
. Inside diameter of well	_4.0_in				
< **					<u> </u>
5. Volume of water in filter pack and well casing	_\$7gal	1	l		
casing	— → T · — 8ar	Fill in if drilling fluid	s were used a	nd well is :	et solid waste facility:
V. Volume of water removed from well	1 8 C gal.				1
		14. Total suspended		mg/l	mg/
3. Volume of water added (if any)	D gal.	solids			
9. Source of water added		15. COD		mg/l	mg/
10. Analysis performed on water added?  (If yes, attach results)	☐ Yes 🚨 No				
Acditional comments on development:					
Acquining comments on development					
well developed by: Person's Name and Firm		Thereby certury that t	he above unto	mation is	true and correct to the be
		of my knowledge.	11 / 1	<del>, /</del>	
Name: R DAVID DIABNOR		Signature:	Upol 11	Vh_	
Fum: CE EUVIRON MENTA	t	Firm: (F)	NUIRA	-	•
TE EAMINALIEAL		1 Lar		C. C. C.	<u></u>

State of Wisconsin Department of Natural Resources

Facinty/Project Name		Well Name			
BADGER ARMY AMONIHON	PLDNT	DBN-89-03			
License, Permit or Monitoring Number		Wis Unique Weil Nu	moer DNR W	eil Number	
	El Van El M		P-5 P- 1	16 0	
l. Can this well be purged dry?	☐ Yes DEL No	11. Depth to Water	Before Developmen	After Development	
2. Well development method		(from top of	119.59 ft	119.65 1	
surged with bailer and bailed	<b>m</b> 4.1	well casing)			
	<b>4</b> 1				
surged with bailer and pumped	□ 6 1 □ 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<b></b>		- 13 50	
surged with block and bailed	<b>4</b> 2	Date	02/Tr/84	$\frac{0.5}{m} \frac{1}{d} \frac{3}{d} \frac{29}{y}$	
surged with block and pumped	6 2	1	1	1	
surged with block, bailed and pumped	7 0	<b>-</b>		a.m.	
compressed air	20	Time	1 7 3 : 7 0 5 bm	1	
bailed only	10	12. Sediment in well			
pumped only	5 1	bottom	inches	inches	
pumped slowly	50				
Other		13. Water clarity	Clear   10	Clear 20	
			Turbid 2 15	Turbid 25	
3. Time spent developing well			(Describe)	(Describe)	
			MATER COMM		
4. Depth of well (from top of well casisng)	1.32ft		W NETER	·	
			ZWP MIDWE		
5. Inside diameter of well	_4.0_in				
		1	<b></b>		
6. Volume of water in filter pack and well	•		1	.	
casing	<u>45 82l</u>				
		Fill in if drilling fluid	s were used and well is	at solid waste facility:	
7. Volume of water removed from well	<u> </u>				
	_	14. Total suspended	mg	1 mg/l	
8. Volume of water added (if any)	<u>O</u> gal.	solids			
9. Source of water added		15. COD	mg	1 mg/l	
10. Analysis performed on water added?	☐ Yes 🕏 No	i	I	1	
(If yes, attach results)	T 10 5 10				
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
activional comments on development		<del> </del>			
Additional comments on development:					
Weil developed by: Person's Name and Firm	_	I hereby certify that to of my knowledge.	he above information is	true and correct to the best	
		Of the Contract of	111	· · · · · · · · · · · · · · · · · · ·	
Name: R. David Dinam		Signature: W/	Uses Ilen -		
Name: R. DAIND DINSM	CZ Z	——————————————————————————————————————		<del></del>	
Furm: (E E NVIRON M	seall.at	Firm: CE		امطاح	
THE CONTRACTOR	PNWAL.	1 4 HILL   C		T T T T T T T T T T T T T T T T T T T	

actuty/Project Name		Weil Name		
BADGER ARMY AMUNITION ?	LANT	DBN -89.		
License, Permit or Monitoring Number		Wis. Unique Weil Nu	moer DNR W	eil Numoer
l. Can this well be purged dry?	□ Yes 28 No	D at a Was	Before Development	After Development
Well development method		11. Depth to Water (from top of	1 36.36 ft	13635
2. Well development method	- 41	well casing)	アラる・スパル	1 75.35
surged with bailer and bailed surged with bailer and pumped	0 41	1		
surged with block and bailed	□ 61 □ 10	D		
	<b>4</b> 2	Date	05/01/89 mm d d y y	03/02/39 mm d d y
surged with block and pumped	6 2		1	1
surged with block, bailed and pumped	7 0	-	レ5:45日am	
compressed air	20	Time	T 7: 1 7 E bw	↑ てず: ひこ回b:i
bailed only	<u> </u>			1
pumped only	<b>⊠</b> 5 1	12. Sediment in well bottom	inches	inche
pumped slowly	<u> </u>			
Other	. 🗆 🔤	13. Water clarity	Clear 🖪 10	Clear 20
			Turbid 15	Turbid 25
. Time spent developing well	<b>1.5</b> min.		(Describe)	(Describe)
1. Depth of well (from top of well casisng)	LS4ft			<u> </u>
	4			.
5. Inside diameter of well	_甘.요ㅡiz	[	[	.
6. Volume of water in filter pack and well				.   <del></del>
casing	_ <u>3</u> 4.5 gal			
		Fill in if drilling fluids	s were used and well is	at solid waste facility:
7. Volume of water removed from well	172.5 gal.	_		
		14. Total suspended	mg/	
8. Volume of water added (if any)	O gal.	solids		
9. Source of water added		15. COD	mg/	m
10. Analysis performed on water added?	☐ Yes <b>S</b> E No	}	İ	
(If yes, attach results)		-		
			<del></del>	
Additional comments on development				
weil developed by: Person's Name and Firm		I hereby certify that the	ne above unformation is	true and correct to the b
		of my knowledge.	1 1:1	<del> </del>
Vame: R.DAVID Ding MODE		Signature: M/	les \$15/_	
im: re environment	HTAC.	Firm:	ENVIRONME	VTAL

		784 -00	N/ . 0		
BADGER ARMY AMUNITION PLANT License, Permit or Monitoring Number		DBN-89-04B Wis. Unique Weil Number DNR Weil Number			
License, Permit or Monitoring Number		Wis. Unique Weil Nur	noer	DNR We	il Number
1. Can this well be purged dry?	Yes DEL No	11. Depth to Water	Before Deve	lopment	After Development
2. Well development method		(from top of	140.	5 <u>2</u> fc	140.61 ft.
surged with bailer and bailed	4 1	well casing)			
surged with bailer and pumped		1			
surged with block and bailed		Date	05/02	139	03103189
surged with block and pumped	6 2	1	m m d	yy	03/03/89 mm d d y y
surged with block, bailed and pumped	7 0	ļ	1		
compressed air	2 0	Time	16:01	0 1 p.m.	16:00 m.
bailed only					
pumped only		12. Sediment in well		inches	inches
pumped slowly		bottom	]	=	
Other 🛘		13. Water clarity	Clear 🛘 1		Clear 20
	المتنسبية المتنسبة		Turbid 2 1	5	Turbid 1 25
3. Time spent developing well			Describe)		(Describe)
-			BROWN CO	OR_	
4. Depth of well (from top of well casisng) 1	[qft				
5. Inside diameter of well	4 <u>6</u> in				<del></del>
					<del></del>
6. Volume of water in filter pack and well					
	4 A gal.		·		l ————
	··· · · · · · · · · · · · · · · · · ·	Fill in if drilling fluids	were used an	d well is :	it solid waste facility:
7. Volume of water removed from well 2-	0 O gai.				l
		14. Total suspended	ļ	mg/l	mg/l
8. Volume of water added (if any)	_Q gal.	solids		·g/:	mg/
9. Source of water added	<del></del>	15. COD		mg/l	mg/l
10. Analysis performed on water added?	Yes E No		1		
	<del></del>				
Acquinal comments on development			_		
Acaitional comments on development					

License, Permit or Monitoring Number  1. Can this well be purged dry?  2. Well development method     surged with bailer and bailed     surged with bailer and pumped     surged with block and bailed     surged with block and pumped     surged with block, bailed and pumped     surged with block, bailed and pumped     compressed air     bailed only     pumped only     pumped slowly     Other  3. Time spent developing well	Yes No  4 1 6 1 6 2 7 0 2 0 1 0 5 1 5 0	Wis. Unique Weil Nur  11. Depth to Water (from top of well casing)  Date  Time  12. Sediment in well bottom	Before Development  1 13.97 ft.  0 3/0 5/8 9 m m d d y y  2 :0 0 p.	113.81s
2. Well development method surged with bailer and bailed surged with bailer and pumped surged with block and bailed surged with block and pumped surged with block, bailed and pumped compressed air bailed only pumped only pumped slowly Other	4 1	(from top of well casing)  Date  Time  12. Sediment in well	113.97 ft.  05/05/89 mm d d y y  2:00 = p.	113.8] f
2. Well development method surged with bailer and bailed surged with bailer and pumped surged with block and bailed surged with block and pumped surged with block, bailed and pumped compressed air bailed only pumped only pumped slowly Other	4 1	(from top of well casing)  Date  Time  12. Sediment in well	113.97 ft.  05/05/89 mm d d y y  2:00 = p.	113.8] f
surged with bailer and bailed surged with bailer and pumped surged with block and bailed surged with block and pumped surged with block, bailed and pumped compressed air bailed only pumped only pumped slowly Other	6 1 4 2 6 2 7 0 2 0 1 0 5 1 5 0	(from top of well casing)  Date  Time  12. Sediment in well	05/05/89 mm d d y y _2:00 = p.	0 <u>2/06/89</u>
surged with block and bailed surged with block and pumped surged with block, bailed and pumped compressed air bailed only pumped only pumped slowly Other	6 1 4 2 6 2 7 0 2 0 1 0 5 1 5 0	Time	_₹:0 0 □ p.	1
surged with block and pumped surged with block, bailed and pumped compressed air bailed only pumped only pumped slowly Other	6 2 7 0 2 0 1 0 5 1 5 0	Time	_₹:0 0 □ p.	1
surged with block, bailed and pumped compressed air bailed only pumped only pumped slowly  Other	7 0 2 0 1 0 5 1	12. Sediment in well	_₹:0 0 □ p.	1
compressed air bailed only pumped only pumped slowly Other	2 0 1 0 5 1 5 0	12. Sediment in well		9:00 P
bailed only pumped only pumped slowly Other	1 0 1 5 1 5 0	12. Sediment in well		, _1:
pumped only pumped slowly Other	5 1			-
pumped slowly Other	50		•	
Other			inches	inche
		13. Water clarity	Clear 10	Clear   20
3. Time spent developing well		15. Water clarity	Turbid 2 15	Turbid 25
	9 O min.		Describe)	(Describe)
4. Depth of well (from top of well casisng)	1 24ft		CIEARED UP	
5. Inside diameter of well	_ <b>4.1</b> _in		volume parced	
6. Volume of water in filter pack and well			10000	
casing	_35gal		I ————	
-		Fill in if drilling fluids	were used and well is a	at solid waste facility:
7. Volume of water removed from well	772·-821	1		
	_	14. Total suspended	mg/l	m
8. Volume of water added (if any)	<u></u>	solids		
9. Source of water added	<del> </del>	15. COD	mg/l	m
10. Analysis performed on water added?  (If yes, attach results)	☐ Yes 🔼 No	1	1	
aditional comments on development:				

7,74. -1

### MONITORING WELL DEVELOPMENT FORM

ELN-91-074		
License, Permit or Monutaring Number	Wis, Unique Weil Number DNR Well Number	
1. Can this well be purged dry?	Before Development After Development   Oder	
2. Well development method surged with bailer and bailed surged with bailer and pumped  G 6 1	(from top of well casing)  1.20.53 ft. 120.52 ft. 120 3	
surged with block and bailed 4 2 surged with block and pumped 6 2 surged with block, bailed and pumped 7 0 compressed air 2 0	Time 10:55 pm 11:45 pm 13:20	
compressed air 20 bailed only 10 pumped only (with surging) 25 pumped slowly 25	12. Sediment in well inches inches inches	
Other	13. Water clarity Clear 10 Clear 20 Turbid 15 Turbid 25 Describe) (Describe)	
4. Depth of well (from top of well casising) 128.2ft	1w. tue //	
5. Inside diameter of well  6. Volume of water in filter pack and well casing  27.0 gal.		
7. Volume of water removed from well 135. gal.	Fill in if drilling fluids were used and well is at solid waste facility:  14. Total suspended mg/l	
8. Volume of water added (if any) O gal.	solids	
9. Source of water added	15. COD mg/l	
10. Analysis performed on water added?  ☐ Yes 程 No (If yes, anach results)	in screen 10,0ff	
Additional comments on developments  [North 45 90 +35  (°C) 10.4 10.7 10.9 10.7  H (units) 8.3 7.5 7.3 7.4	stick-up: 2.7	
ond. (jumhos) 448 444 439 439	instal depth to: 128.20 final depth to: 128.25	
Time 1055 1106 1111 1 126	bottom 128.19	
Weil developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.	
Name: D. DIANNE + L. CARTER	Signature: Whatanh	
Firm: #18-ES	Firm: 9100~6	

#### MONITORING WELL DEVELOPMENT FORM

Facility/Project Name BAAP- USATHAM	A	Well Name	LN-91-07B	
License, Permit or Monitoring Number		Wis. Unique Weil Nu	mber DNR-W	-il Number
1. Can this well be purged dry?	<b>1</b> 82- No	11. Depth to Water	Before Development	After Development lan
	1	(from top of well casing)	128.74 m	118.74a 1/8.
	1 2 2	Date	LL/21/26 mm dd y y	$\frac{1}{m} \frac{1}{m} \frac{21}{d} \frac{91}{y} \frac{11}{2}$
compressed air 2	0 0	Time	0 2 : 5 5 p.m.	<u> </u>
pumped only (with surging) 5 pumped slowly	1	12. Sediment in well bottom	inches	inchés
		13. Water clarity	Cer 10 Turbid 27 15 Describe)	Clear 122 20 Turbid   25 (Describe)
4. Depth of well (from top of well casising) 1 4 6.			Clear After	
5. Inside diameter of well	<u>5in</u>		1 to gather s	
6. Volume of water in filter pack and well casing	. <u>O</u> gal.	Fill in if drilling fluids	were used and well is:	at solid waste facility
7. Volume of water removed from well 180.	_	14. Total suspended		`
8. Volume of water added (if any)  9. Source of water added NA	 ☐ 8er	solids 15. COD	mg/l	
10. Analysis performed on water added?	EL No	IL Screen	10.0 ? A.	
(If yes, attach results)				
Additional comments on developments    N++e/ 60   20    (°C)   10.2   10.4   10.4	10.6	stick- u	ing: -0.11 p: 2.28	
(°C) 10.2 10.4 10.6 1 (units) 7.8 8.4 8.5 md. (umhos) 413 426 427	4.2 429		to: 146-92	•
TIME 09:55 10:05 10:6	 1032		**: 146.95	146.93
Well developed by: Person's Name and Firm		I hereby certify that it of my knowledge.	ne above information is	true and correct to the best
Name: DAVID B DIONNE 9 LAVRA	CARTER	Signature:	A Deant	9
Firm: ABB- BS		Firm: AB	B BS	

### MONITORING WELL DEVELOPMENT FORM

Facility/Project Name BAAP-USATHAMA	Well Name ELM-91-10		
License, Permit or Monitoring Number	Wis. Unique Weil Number DNR. Weil Number		
1. Can this well be purged dry?	Before Development After Development   11. Depth to Water		
2. Well development method surged with bailer and bailed  Surged with bailer and pumped  2 4 1  5 6 1	(from top of 145.63 ft. 145.67 ft. 145 well casing)		
surged with block and bailed 4 2 surged with block and pumped 6 2	Dense $\frac{1}{m} \frac{1}{m} \frac{1}{d} \frac{1}{d} \frac{1}{y} \frac{1}{y} \frac{1}{m} \frac{1}{m} \frac{21}{d} \frac{91}{y} \frac{1}{y} \frac{1}{y}$		
surged with block, bailed and pumped 7 0 compressed air 2 0 bailed only 1 0	Time 12:07 pm 12:37 pm 13:39		
pumped only (with surging) P 5 1 pumped slowly 5 0 Other	12. Sediment in well inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés		
3. Time spent developing well 3 0 min.	Turbid 🔁 15 Turbid 🖂 25 Describe) (Describe)		
4. Depth of well (from top of well casising) 156.9 ft.			
5. Inside diameter of well  6. Volume of water in filter pack and well  28.5			
casing <u>+ 4 2 . Q gal.</u>	Fill in if drilling fluids were used and well is at solid waste facility:		
7. Volume of water removed from well 142. D gal. 8. Volume of water added (if any)	14. Total suspended mg/l mg/l		
9. Source of water added	15. COD mg/l		
10. Analysis performed on water added?   [If yes, attach results]	is screen 15.0ff		
Additional comments on development: 95 1425	well to casing: -0.11 stick-up: 2,20		
T (°C) 10.9 11.0 11.0 11.1 of (units) 8.1 8.4 7.3 7.4 cond. (units) 568 649 680 707	initial depth to: 154.94		
Time 1207 1217 1217 1237	final depth to: 156.97 156.98		
Well developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.		
Name DAVID R. DIONNE T LAURA E. CA			
Firm: ABB · ES	Firm: ABBES		

### **WELL DEVELOPMENT FORMS**

Background	SPN-91-03D	Oleum Plant
Wells	SPN-91-04D	and Pond
	SPN-89-01C	
BGM-91-01	SPN-89-02A	OPM-89-01
BGM-91-02	SPN-89-02B	OPM-89-02
BGM-91-03	SPN-89-02C	OPM-89-03
	SPN-89-03B	•
	SPN-89-03C	Old Acid Area
Propellant Burning	SPN-89-04B	
Ground	SPN-89-04C	OAM-91-01
	SPN-89-05A	OAM-89-01
PBN-91-06C	SPN-89-05B	OAM-89-02
PBN-91-06D		
PBN-91-12C	Deterrent Burning	Old Fuel Oil Tank
PBN-91-12D	Ground	
PBN-89-01B		FTM-89-01
PBN-89-01C	DBM-89-01	
PBN-89-01D	DBN-89-02A	Off-Post (South)
PBN-89-02B	DBN-89-02B	
PBN-89-02C	DBM-89-03	PBN-91-01C
PBN-89-03B	DBN-89-04A	PBN-91-02B
PBN-89-03C	DBN-89-04B	PBN-91-02C
PBN-89-04B	DBM-89-05	PBN-91-03B
PBN-89-04C		PBN-91-03C
PBM-89-05	Existing Landfill	PBM-90-01D
PBM-89-06	•	PBM-90-02D
PBM-89-07	ELN-91-07A	PBM-90-03D
PBM-89-08	ELN-91-07B	PBN-90-04B
PBM-89-09	ELM-91-10	PBN-90-04D
PBN-89-10A	ELM-89-01	SWN-91-01B
PBN-89-10B	ELN-89-02A	SWN-91-01C
PBN-89-10C	ELN-89-02B	SWN-91-01D
PBN-89-10D	ELM-89-03	SWN-91-02C
PBM-89-11	ELN-89-04A	SWN-91-02D
PBN-89-12A	ELN-89-04B	SWN-91-03B
PBN-89-12B	ELM-89-05	SWN-91-03C
	ELN-89-06B	SWN-91-03D
	ELM-89-07	SWN-91-03E
Landfill 1	ELM-89-08	SWN-91-04C
	ELM-89-09	SWN-91-04D
LOM-91-01		SWN-91-05B
LOM-91-02	Rocket Paste Area	SWN-91-05C
LOM-89-01		SWN-91-05D
LON-89-02A	RPM-91-01	
LON-89-02B	RPM-89-01	
LON-89-03A	RPM-89-02	
LON-89-03B		
Settling Ponds	Nitroglycerine Pond	
and Spoils		
Disposal Area	NPM-89-01	

SPN-91-02D

This Page Intentionally Left Blank.

#### MONITORING WELL DEVELOPMENT FORM

Facility/Project Name BAAP- USATHAMA	Well Name BGM-91-01		
License, Permit or Monitoring Number	Wis. Unique Weil Number DNR Weil Number		
1. Can this well be purged dry?  2. Well development method surged with bailer and bailed surged with bailer and pumped surged with block and bailed surged with block and bailed surged with block and pumped compressed air bailed only pumped only (with surging) pumped slowly Other  3. Time spent developing well 4. Depth of well (from top of well casising)  5. Inside diameter of well 6. Volume of water in filter pack and well casing 7. Volume of water removed from well 8. Volume of water added (if any) 9. Source of water added	DNR Weil Number   DNR Weil Number   24 hr.   11. Depth to Water (from top of weil casing)   Date   1		
10. Analysis performed on weser added?	17. Pump used was Grandfos Redi-flo 2 in straining clother stick-up: 0,14"2.24" -)		
Name: D. DICHNE D VIUBUSHBERGER Firm: ABB - ES	Signature: D. W. F. in Bubbongs. Firm: ABB-ES		

### MONITORING WELL DEVELOPMENT FORM

Facility/Project Name BARP- USATHAMA	Well Name BGM-91-02	
License, Permit or Monitoring Number	Wis, Unique Weil Number DNR Weil Number	
1. Can this well be purged dry?  2. Well development method surged with bailer and bailed surged with bailer and pumped  surged with block and pumped  surged with block and pumped  surged with block and pumped  surged with block, bailed and pumped  compressed air  bailed only pumped only (with surging) pumped slowly  Other  3. Time spent developing well  4. Depth of well (from top of well casising)  \$\frac{\text{\$\frac{1}{2}\$ \text{\$\frac{1}{2}\$ \text{\$\frac{1}{2}\$}\$ \text{\$\frac{1}{2}\$}\$ \text{\$\frac{1}{2}\$}\$	Depth to Water (from top of well casing)   Before Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development   After Development	
5. Inside diameter of well  6. Volume of water in filter pack and well casing  7. Volume of water removed from well  8. Volume of water added (if any)  9. Source of water added	Fill in if drilling fluids were used and well is at solid waste facility:  14. Total suspended mg/l mg/l  15. COD mg/l mg/l	
10. Analysis performed on water added?   Yes No (If yes, attach results)	17. Pump used was Grundfos Redi-Flo 2	
Additional comments on development:  17 34 5  60 85  T(°C)  14 34 5  60 85  Told (units)  10 7.0 7.0 17 0 8  Tomal (umhos) 4435 465 4:95 465 490  Time 16.77 16:34 16:41 16:45 16:55	well to casing: 0.15 stick-up: 2.57 instal depth to: 85.70 bottom  65.68	
Well developed by: Person's Name and Firm  Name: D. DIONNE D. JEN BUSHBERGER	Thereby certify that the above information is true and correct to the best of my knowledge.  Signature: Durgh rw. B., h. b. c. c.	
Firm: ABB-ES	Firm: ABB-ES	

#### MONITORING WELL DEVELOPMENT FORM

Facility/Project Name BAAP- USATHAMA	Weil Name BGM-91-03
License, Permit or Monitoring Number	Wis. Unique Weil Number DNR: Weil Number
1. Can this well be purged dry?	11. Denth to Water Color to Water
2. Well development method surged with bailer and bailed surged with bailer and pumped  6 1	(from top of well casing)
surged with block and bailed 4 2 surged with block and pumped 6 2 surged with block, bailed and pumped 7 0	Date $\frac{\int \frac{1}{m} \int \frac{\partial}{\partial x} \frac{q}{y} \frac{1}{y} \frac{1}{m} \int \frac{\partial}{\partial x} \frac{q}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y} 1$
compressed air 20 bailed only 10 pumped only (with surging) 25 1	Time
pumped slowly 5 0 Other	bottom  13. Water clarity Clear 10 Clear 25.20 Turbid 22.15 Turbid 25
3. Time spent developing well65 min.	Describe) (Describe)
4. Depth of well (from top of well casising) 101.9 ft.	
5. Inside diameter of well	
6. Volume of water in filter pack and well casing 31.0 ga	
7. Volume of water removed from well 155.0 gal	Fill in if drilling fluids were used and well is at solid waste facility:  1
8. Volume of water added (if any)	solids
9. Source of water added	
10. Analysis performed on water added?  (If yes, attach results)	10.0 ft.  10.0 ft.  17. Rump used was Grund-for Redi-flo 2  wy straining cloth
Additional comments on development: 31 62 93 124 [6.3 10.2 10.5 10.3]	155 well to casing: 32.40 * well not growted yet
16.3 10.2 10.5 10.3 10.14 (units) 7.8 7.8 7.8 7.8 57.6 17.8 57.6 17.8 17.8 17.8 17.8 17.8 17.8 17.8 17.8	initial depth to: 101.85 casing not 576 final depth to: 101.85
• •	DOIDIN COL
Weil developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.
Name: VAVID VIONE/ DOLLAS VOUBUSHBEI	
Firm: TDD V	Firm: ABB-ES

#### MONITORING WELL DEVELOPMENT FORM

Facility/Project Name BAAP- USATHAMA	Well Hame PBN-91-06C		
License, Permit or Monitoring Number	Wis. Unique Weil Number DNR Weil Number		
1. Can this well be purged dry?  2. Well development method  surged with bailer and bailed  surged with bailer and pumped  surged with block and pumped  surged with block and pumped  surged with block, bailed and pumped  compressed air  bailed only  pumped only (with surging)  pumped slowly  Other  3. Time spent developing well  4. Depth of well (from top of well casising)  5. Inside diameter of well  6. Volume of water in filter pack and well  casing  7. Volume of water removed from well  3. Source of water added (if any)  9. Source of water added  BPW #2	Before Development After Development   Cate    11. Depth to Water (from top of well casing)  Date   1   1 / 2   0 / 9		
10. Analysis performed on water added? Yes D No (If yes, attach results)	length 10.0 ft.		
Additional comments on development:  11-20 (1-20 11-21 71-21  11-20 (1-20 11-21 71-21  11-20 (1-20 11-21 71-21  11-20 (1-20 11-21 71-21  11-20 (1-20 11-21 71-21  11-20 (1-20 11-21 71-21  11-20 (1-20 11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  11-21 71-21  1	stick-up: 2.48  instial depth to: 203 54  bottom: 203.56  Thereby certify that the above information is true and correct to the best of my knowledge.  Signature: Kett Kelling In		
Firm: A68-ES	Firm: ABB-ES		

NOTE: Shaded stess are for DNR use only. See instructions for more information.

5TART Purps at 1 PM -11-20-91

5tapped purps at 435PM-11-20-91

Facility/Project Name BAAP - USATHAMA	Well Name PB	N-91-06D	
License, Permit or Monitoring Number	Wis, Unique Weil Nu	mber DNR W	eil Number
1. Can this well be purged dry?	11. Depth to Water	Before Development	After Development   24
2. Well development method surged with beiler and builed	(from top of well casing)	_\$2.3_fc	_\$2.35£ 82.3
surged with bailer and pumped	Date	1	11/22/91/1/29
compressed air 2 0 bailed only 1 0	Time	1	_4:00 = pm. 150
pumped only (with sunging) \$\overline{\text{5 1}}\$  pumped slowly  Other	12. Sediment in well bottom 13. Water clarity	inches	inchés -
3. Time spent developing well		Turbid [] 15 Describe)	Turbid 25 (Describe)
4. Depth of well (from top of well casising) 252.2 ft.			
5. Inside diameter of well			
6. Volume of water in filter pack and well casing 138.2gal.	Fill in if drilling fluid	s were used and well is	at solid waste facility:
7. Volume of water removed from well 3 69 1 . 0 gal.  8. Volume of water added (if any) 1 0 0 0 . 0 gal.	14. Total suspended solids	mg/l	
9. Source of water added BPW #2	15. COD		mg/l
10. Analysis performed on water added?	length	10.09	
Additional comments on development:	( will to case stick- u		
H (units) 8/6 1.36 1.74 1.86	instal depth bottom	to: 253.7	7
md. (jumbos) 431 680 628 624 Time 3:15tm 10:454m 1:30m 400tm	final depth bottom	to. 253. 7	7 253.75
Weil developed by: Person's Name and Firm	I hereby certify that to of my knowledge.	he scove information is	true and correct to the best
Name: Kerth Kohaush	Signature: Kal	the Kolia	ndi
Firm: ABB-ES	Firm:	ABB-E3	

NOTE: Shaded areas are for DNR use only. See instructions for more information. Data collection eary 4.16 has light)

Started to punga it 3:15 PM

Storped August 500 PM - 1/-21-01

Storped August 2500 PM - 1/-22 01

Storped August 2500 PM - 1/-22 01

Storped of circles

#### MONITORING WELL DEVELOPMENT FORM

License, Fermit or Monitoring Number    Vis. Unique Weil Number   DNR Weil Number	Facility/Project Name BRAP - USFITHAMA	Well Name PBN-91-12C		
1. Can this well be purped dry?  2. Well development method surged with bailer and bailed surged with bailer and bailed surged with bailer and bailed surged with bailer and bailed surged with block and bailed a 4 2 surged with block and bailed a 6 1 surged with block and bailed and pumped a 7 0 surged with block bailed and pumped a 7 0 surged with block bailed and pumped a 7 0 surged with block bailed and pumped a 7 0 surged with block bailed and pumped a 7 0 surged with block bailed and pumped a 7 0 surged with block bailed and pumped a 7 0 surged with block bailed and pumped a 10 pumped only (with sturging) a 5 1 subailed only pumped showly (with sturging) a 5 1 subailed only pumped showly and bailed showly other a 10 surged with sturging and bailed showly other a 10 surged with sturging and bailed showly other and showly a 10 surged with sturging and bailed showly other and showly a 10 surged with sturging and showly a 10 surged with sturging and showly a 10 surged with sturging and showly a 10 surged with sturging and showly a 10 surged with sturging and showly and showly a 10 surged with sturging and showly and showly a 10 surged with sturging and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly and showly				
surged with bailer and pumped surged with bailer and pumped surged with block and bailed and pumped surged with block and bailed and pumped surged with block bailed and pumped of 2 mm m d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d d y y mm d y y mm d d y y mm d d y y mm d y d y	2. Well development method	11. Depth to Water (from top of 93.— ft. 93.05 ft. 90.		
Other	surged with bailer and pumped 6 1  surged with block and bailed 4 2  surged with block and pumped 6 2  surged with block bailed and pumped 7 0  compressed air 2 0  bailed only 1 0	Time 11:55 pm /2:35 pm 4:300		
4. Depth of well (from top of well casising)  5. Inside diameter of well  6. Volume of water in filter pack and well  6. Volume of water in filter pack and well  7. Volume of water removed from well  8. Volume of water added (if any)  9. Source of water added (if any)  9. Source of water added  6. P(U#2   14. Total suspended solids  15. COD mg/l  10. Analysis performed on water added?  10. Analysis performed on water added?  11. Analysis performed on water added?  12. COD mg/l  13. Series:  14. Total suspended solids  15. COD mg/l  16. Series:  16. Series:  17. COD mg/l  18. Series:  19. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids  10. Off solids	Other C 5 0	bottom  13. Water clarity  Clear 10 Clear 20  Turbid 15 Turbid 25		
6. Volume of water in filter pack and well casing  93.5 gal Fill in if drilling fluids were used and well is at solid waste facility:  7. Volume of water removed from well 2077.0 gal 8. Volume of water added (if any) 670.0 gal 9. Source of water added 670.0 gal 15. COD  16. Analysis performed on water added? 16. Analysis performed on water added? 17. Analysis performed on water added? 18. Yes No 18. Screen: 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19. Off 19.	4. Depth of well (from top of well casising) 1&5.9 ft.			
8. Volume of water added (if any)  670.0 gal  9. Source of water added  670.0 gal  15. COD  16. Seres;  10. Analysis performed on water added?  16. Seres;  17. CoD  18. Seres;  19. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.  10. Off.	6. Volume of water in filter pack and well casing 93.5 gal.			
(If yes, attach results)  Additional comments on development:    Item	500G CH# 3	solids		
Well developed by: Person's Name and Firm  Name: K. Kohanshi Cama Catoa  Well developed by: Person's Name and Firm  Name: K. Kohanshi Cama Catoa  Well developed Signature: Warry E. Roka	10:182)	In screen 10.0 ft.		
Name: K. Kohanshi / Cama Control Signature: Warrey E. Roka	11-120   11-12   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20   11-20	stick-up: 2.55 instal depth to: 185.9 final depth to: 185.87 bottom 185.87 185.89		
		of my knowledge.		
		<del></del>		

NOTE: Shaded areas are for DNR use only. See instructions for more information.

Tracted purps: 1:35 cm (n. ve. - 1) (2) - 1 purpsed 5 topped out 2 pm. purp clogged - (7.551 m)

Granted purps: 1:35 cm (n. ve. - 1) (2) (106 hrs) 11-19- 5 topped purps; at 4:36 pm.

Facility/Project Name	Well Name & PBN-91- IAD	
BAR-USATHAMA		
License, Permit or Monitoring Number	Wis. Unique Weil Number DNR: Well Number	
1. Can this well be purged dry?		his aler
2. Well development method surged with bailer and bailed	(from top of well casing)  Date  1. Depth to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water  1. Septh to Water	
surged with block, bailed and pumped 7 0 compressed air 2 0 bailed only 1 C pumped only (with surging) 5 1 pumped slowly 5 0 Other	Time	<b>Μ</b> .΄
3. Time spent developing well3 2 0 min.	(Describe) (Describe)	
4. Depth of well (from top of well casising) 233.3 ft.		
5. Inside diameter of well		
6. Volume of water in filter pack and well casing \(\frac{1}{\lambda 5} \frac{5}{\text{gal.}}\)	Fill in if delling fluids were used and wall is as salid away facility.	
7. Volume of water removed from well 3 128.0 gal. 8. Volume of water added (if any) 835.0 gal.	Fill in if drilling fluids were used and well is at solid waste facility:  14. Total suspendedmg/l mg/l  solids	
9. Source of water added BPW # 2—	15. COD mg/l	
10. Analysis performed on water added?	is screen io. o ft.	,,
n/18 11/19	· · · · · · · · · · · · · · · · · · ·	
Additional comments on development of the first	well to casing: -0.19 stick-up: 3.37	
H (units) 7.40 7.4 10.0 8.40	instal depth to: 233.32	
Time 2:10m 4:312m 8:90 AM 12:20 PM	m "final depth to. 233.32 233	.30
Well developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.	
Name: M.McGore / K. Kohandi	Signature Nancy E. Roka	
Firm: ABB-ES	Firm: ABB-ES Sill	
NOTE: Shaded sress are for DNR use only. See instructions for more  R 1.1 Sient of Pumping @ 2:00	11-10 stalked bonds 15,50	

State of Wisconsin Department of Natural Resources

Facility/Project Name	Weil Name PBN - 87 - 01 B			
BADGER ARMY AMUNITION				
icense, Permit or Monitoring Number		Wis Unique Weil Number   DNR Weil Number		
			guarante de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition del	
1. Can this well be purged dry?	□ Yes 🔨 No		Before Developmen	After Development
177-11 dansta 4		11. Depth to Wate (from top of	100.39 ft	100432
. Well development method		well casing)	「エガス・マナル	1 177.75"
surged with bailer and bailed	<u> </u>	,, et. (12.1.g)		
surged with bailer and pumped	<b>□</b> 61	1		
surged with block and bailed	□ 42	Date	03/07/89	03/08/89 mm d d y y
surged with block and pumped	□ 6 2	i	mm ddyy	mm ddyy
surged with block, bailed and pumped	<b>7</b> 0	l _	15:00 Bam	
compressed air	20	Time	「ラ: C T 型 b-m	1 73: A 6 2 brur
bailed only	<b>1</b> 0			
pumped only	<b>2</b> 51	12. Sediment in we	ell inches	inches
pumped slowly	<u> 50</u>	bottom		<u> </u> _
Other	. 🗆 🔙	13. Water clarity	Clear 🔲 10	Clear 20
			Turbid 🔲 15	Turbid 25
. Time spent developing well	_ <u>1                                   </u>		(Describe)	(Describe)
		1		
i. Depth of well (from top of well casising)	7 <b>6</b> 7.—#	1		
		1		
5. Inside diameter of well	_U.6_in.	}		
		İ		
6. Volume of water in filter pack and well		1		.
casing	<u> 49. gal</u> .			
	-110 .	Fill in if drilling fl	uids were used and well is	at solid waste facility:
7. Volume of water removed from well	<u>245sal</u>	_		.]
B. Volume of water added (if any)	<u>D</u> gal.	14. Total suspende solids	dmg	mg/l
• •			1	
9. Source of water added	<del></del>	15. COD	mg	1 mg/l
10. Analysis performed on water added? (If yes, attach results)	☐ Yes Ø No			
Additional comments on development:				
Additional comments on development				
Well developed by: Person's Name and Firm		I hereby certury un	at the above information is	true and correct to the best
		of my knowledge.	1. / / .	
Name: R DAVID DINSMOR	<u> </u>	Signature:	Way Cycle	<u> </u>
	W.4.			_
Fum: CE ENVIRONMEN	VTPL.	Firm: C	e environment	AL

BADGER ARMY AMUNITION PLANT	PBN -89- O/C
License, Permit or Monitoring Number	Wis. Unique Weil Number DNR Weil Number
1. Can this well be purged dry?  2. Weil development method  surged with bailer and bailed  surged with bailer and pumped  surged with block and bailed  surged with block and bailed  surged with block and pumped  surged with block bailed and pumped  compressed air  bailed only  pumped only  pumped slowly  Other	Before Development   After Development
3. Time spent developing well  4. Depth of well (from top of well casising)  5. Inside diameter of well  6. Volume of water in filter pack and well casing  7. Volume of water removed from well  8. Volume of water added (if any)  9. Source of water added	Fill in if drilling fluids were used and well is at solid waste facility:  14. Total suspended mg/l mg/l  15. COD mg/l mg/l
10. Analysis performed on water added?  (If yes, attach results)  Additional comments on development:	Thereov certury that the above information is true and correct to the bes
Nutte: R. DAVID DINEMORE	of my knowledge. Signature:
Firm: ( & ENLIRON MENTAL	Firm: C E ENVIRONMENTAL

Facility/Project Name		Weil Name			
BAGER ARMY AMUNITION	PLONT	PBN-39-010			
License, Permit or Monitoring Number		Wis. Unique Weil Number   DNR Weil Number			l Numoer
				-	
1. Can this well be purged dry?  2. Well development method surged with bailer and bailed surged with black and pumped surged with block and pumped surged with block and pumped surged with block, bailed and pumped compressed air bailed only	Yes No	11. Depth to Water (from top of well casing)  Date  Time	Before Deve	1 4 ft. 2 / <b>3 9</b> 2 / <b>3 9</b> 2   y y	102.15 ft.  03/17/29 mm d d y y  10:00 p.m.
pumped only	<b>5</b> 1	12. Sediment in well		_ inches	inches
pumped slowly	<u> 50</u>	bottom	<b>l</b>	1	
3. Time spent developing well  4. Depth of well (from top of well casisng)  5. Inside diameter of well  6. Volume of water in filter pack and well casing  7. Volume of water removed from well  8. Volume of water added (if any)  9. Source of water added  10. Analysis performed on water added?  (If yes, attach results)		Fill in if drilling fluids  14. Total suspended solids  15. COD	Clear # 1   Turbid   1   Describe)	i well is at	Text   20 Turbid   25 Describe)  solid waste facility: mg/l mg/l
Acditional comments on development:					
Weil developed by: Person's Name and Firm Name: R. Danno Dins More		I hereby certify that the of my knowledge. Signature:	s above union	nauon is tr	pe and correct to the best
Fum: CE ENVIRONMENTA	4	Firm: L.E.	ENVIRON	Ment	AC
	<del></del>				

DNR We	Weil Number				
DNR We	Weil Number				
	Wis. Unique Weil Number DNR Weil Number				
_ !					
Development	nt After Development				
0					
9.23ft	1 129.22f				
20/89 d d y y	기 <u>교 제 교 교 교 교 교</u> 기 등 역				
	. 1				
: イマ트 bw: 答 grw:	m. 10:00 p.n				
: 7 J 🗅 bw	파				
••					
inches	es inche				
	G				
<u>□</u> 10	Clear 20				
5) [] 12	Turbid 25 Describe)				
<i>5)</i>	(Describe)				
	<del>-</del>				
<del></del>					
	<b>-</b>				
	<del></del>				
ed and well is	is at solid waste facility:				
	1				
mg/l	<u>س m</u>				
mg/1	g/l mg				
•					
	•				
<del></del>					

Fucially/Project Name		Weil Name			
BADGER ARMY AMUNITION	PBN-89-02C				
License, Permit or Monitoring Number		Wis Unique Weii Nu	nœ	DNR We	il Number
		<u> </u>			
1. Can this well be purged dry?	☐ Yes Ø No	Dock to Ware	Before Dev	elopment	After Development
2. Well development method		11. Depth to Water (from top of	125.	712	125.80 ft.
surged with bailer and bailed	4 1	well casing)		i	
surged with bailer and pumped	<b>6</b> 1	1	1		
surged with block and bailed	4 2	Date	04/20	7/84	20121 184
surged with block and pumped	6 2		m m d	d' y y	04/21/89 mm d d y y
surged with block, bailed and pumped	7 0	}	i	☐ 3.m.	<u> </u>
compressed air	2 0	Time	12:0		
bailed only	10				
pumped only	<b>I</b> 5 1	12. Sediment in well	1	inches	inches
pumped slowly	50	bottom			
Other		13. Water clarity	Cer 🛛 1	0	Clear 🔲 20
		,	Turbid 2	15	Turbid 25
3. Time spent developing well	_1 <u>20 min.</u>		Describe)		(Describe)
2. I the spent developing wen		1	white (		,,
4 Dende of well (from the of well assisted)	195ft	1	COLOS		
4. Depth of well (from top of well casising)			1-000		
5. Inside diameter of well	_40_in		ļ <del></del>		
5. His de danete of web	,	1			
5. Volume of water in filter pack and well			{		
casing	_5 <b>.</b> _ gal	1	1		
Cashig	-37 km	Fill in if drilling fluid	. were need so	od wall is s	t solid waste facility:
7. Volume of water removed from well	7-75 sal.	Lift at it canning upon	1	ing well to a	
7. Volume of water removed from wen	<del> •</del> • •	14. Total suspended	Į.	mg/l	mg/l
8. Volume of water added (if any)	Ogal.	solids		— má,	
9. Source of water added		15. COD		ng/l	mg/l
		1	ı		l
10. Analysis performed on water added?  (If yes, attach results)	☐ Yes 🙇 No				
Accidental comments on development					
Weil developed by: Person's Name and Firm		I hereby certify that to of my knowledge.	he roose mior	mauon is t	THE AND COTTOCT TO THE DEST
		Of HIV KINWHOLES.	11 1 11	1	
V 9 Day = 5 Mars	_	Signature: I//	dlad Ball	/_	
Nume: R. Davio DINEMORE	<u></u>		VI P	<u>~</u>	
r_ a a a a a a a a a a a a a a a a a a a		- A	ENVIR		L.A.I
Fim: ( E ENVIRON MENT	WL	Firm: CE	ENVIR	NMBN	T Parties

actity/Project Name		Weil Name			
BADGER ARMY AMUNITION PLA	DN - 89- 03 B Wis. Unuque Weil Number DNR Weil Number				
License, Permit or Monitoring Number		Wis. Unique Weil Nu	moer	DNR We	il Number
				<u> </u>	
1. Can this well be purged dry?	□Yes ENNo		Before Dev	elopment	After Development
out all voil or pulget lay.		11. Depth to Water	20.0.0 20.	Ciopinone	Au Development
2. Well development method		(from top of	1_15.	93 E	_78.00 ft
	□ 4 1	well casing)			
	□ 6 i	j	1		
surged with block and bailed	□ 4 2	Date	03/1	6,89	03/17/89
surged with block and pumped	6 2	1	m m d	d y y	03/17/89 mm d d y y
surged with block, builed and pumped	7 0	ł	1	a.m	ma.m.
compressed air	20	Time	15:30	∑ <b>⊠</b> b·wi	13.0 0 p.m.
bailed only	<b>1</b> 0				
pumped only	5 1	12. Sediment in well		_ inches	inches
pumped slowly	50	bottom		_	
Other		13. Water clarity	Clear   1	0	Clear 20
2. 77"		1	Turbid		Turbid 25
3. Time spent developing well	_1.5.0 min.		(Describe)		(Describe)
4 Death - 6 11 (fee 6 11	25ft		I		
4. Depth of well (from top of well casisng)		]	l		
5. Inside diameter of well	4 0 in.	Ì			
		1			
6. Volume of water in filter pack and well		1			
	4 D . gai	1	. ———		I <del></del>
		Fill in if drilling fluid	s were used ar	nd well is a	t solid waste facility:
7. Volume of water removed from well	<u> 200. gal</u>		1		
	_	14. Total suspended		mg/l	mg/l
8. Volume of water added (if any)	<u>0</u> gal.	solids			
9. Source of water added		15. COD			
9. Source of water added	<del></del>	15. COD		mg/i	mg/l
			ł		
10. Analysis performed on water added?	☐ Yes <b>E</b> No	i	1		
(If yes, attach results)					
Additional comments on development					
Well developed by: Person's Name and Firm	···	II hereby correly that the	he shove micro	mation is a	rue and correct to the bes
we souped by. retsons rame and rum		of my knowledge.	~ •••••• #HOL	i euon 13 C	TOTAL CONTROL TO USE DES
<b>.</b>			1/1/		
Name: R.D. DINSPORE		Signature: M	N (147)	~	
			J	1	
Firm: CE ENJ'RONMEN	mc	Firm:	ENVIRO	thanh	MC.

Faciaty/Project Name

# MONITORING WELL DEVELOPMENT Form 4400-113B 8-89

BADGER ARMY AMUNITION PLANT	DBN-81-03C			
License, Permit or Monitoring Number	Wis. Unique Weil Number DNR Weil Number			
1. Can this well be purged dry?  2. Well development method surged with bailer and bailed surged with bailer and pumped surged with block and bailed  1 4 1  1 6 1  1 4 2	11. Depth to Water (from top of well casing)  Before Development After Development  74.83 ft. 74.87 ft.  Date 64.722.89 04.23.89			
surged with block and pumped	Date    Date			
3. Time spent developing well 1418 min.	Turbid 15 Turbid 25 (Describe) (Describe)			
4. Depth of well (from top of well casising) 162 ft.				
5. Inside diameter of well				
6. Volume of water in filter pack and well casing	Fill in if drilling fluids were used and well is at solid waste facility:  14. Total suspended mg/l mg/l  solids  15. COD mg/l mg/l			
10. Analysis performed on water added?   Yes No (If yes, attach results)				
Accilional comments on development				
Well developed by: Person's Name and Firm	I hereby century that the above information is true and correct to the best of my knowledge.			
Nume: R. Daulo DIALMORE	Signature: WHW 1966			
Firm: CE ENVIRON MENTAL	Firm: CE ENVIRONMENTAL			

Weii Name

teility/Project Name		Weil Name			
BADGER ARMY AMOUNTION PLANT PBN -89-04 B					
License, Permit or Monitoring Number		Wis. Unique Weil Nu		DNR We	al Number
		<u> </u>			
1. Can this well be purged dry?	DYS CK No	İ	Before Dev	elonment	After Development
and an an are pulged by	7.0	11. Depth to Water	Delote Devi		Aud Development
2. Well development method		(from top of	<u>89</u> .	40 a	_89.4_ ft
surged with bailer and bailed	□ 4 1	well casing)			
surged with bailer and pumped	□ 61		ļ		 
surged with block and bailed	<b>4</b> 2	Date	04,27	· / <b>&lt;</b> 9	06,25,89
surged with block and pumped	□ 6 2	ļ.	mm d	$\frac{1}{d} \cdot \frac{1}{y} \cdot \frac{1}{y}$	04/25/89 mm d d d y y
surged with block, bailed and pumped	7 0		1		8
compressed air	<b>2</b> 0	Time	13:00	2 <b>2</b> p.m.	13:00mp.m.
bailed only	<b>1</b> 0		l		
pumped only	<b>23</b> 5 1	12. Sediment in well		inches	inches
pumped slowly	<u> 50</u>	pottom	İ		[ 5
Other		13. Water clarity	Cest 🔲 1	0	Clear 🔲 20
			Turbid 21	. 5	Turbid 🔲 25
. Time spent developing well	min.	1	Describe)		(Describe)
	1111 .		Dr. Brown	<u>M</u>	
Depth of well (from top of well casising)	146 t				
	/. n ·		<b> </b>		
. Inside diameter of well	_4.0_in				
Malana a farancia filoso a ataunt and ann			<b> </b>		
. Volume of water in filter pack and well casing	_54		l		l
	-77·-8sr	Fill in if drilling fluids		د مد السب اد	mantid and a facilities
. Volume of water removed from well 2	170sal	Am at it cannaid right	Mete meer m	G Meti R 1	it sould waste facility:
. Volume of water removed Bolli well		14. Total suspended	1	mg/l	mg/l
. Volume of water added (if any)	3 0 0 gal.	solids		·	
Source of water added		15. COD		mg/l	mg/l
			}		
			ł		}
10. Analysis performed on water added?	☐ Yes      No				
(If yes, attach results)					
	<del></del>	<del></del>			<del></del>
àccitional comments on development					
eil developed my: Person's Name and Firm	····	I hereby cortury that th	e soove mion	nation is t	rue and correct to the best
		of my knowledge.	1 1	/	
Surre: R. David Diak Man		Signature: N/	h had		
Sume: R. DAVID DINEMORE		Signature:	YA_7/\	<u>~</u>	
		-			
im: ( E ENVIRON MENTY	<u> </u>	Firm: CE	ENVIRO	NMBNY	HAL_

Facility/Project Name

### MONITORING WELL DEVELOPMENT Form 4400-113B 8-89

PBN - 89 -04C

BADGER ARMY AMOUNTION PLANT	PBN-87-00	10		
License, Permit or Monitoring Number	Wis. Unique Weil Nu		DNR We	il Number
1. Can this well be purged dry?  2. Well development method  surged with bailer and bailed  surged with bailer and pumped  surged with block and bailed  surged with block and pumped  surged with block and pumped  compressed air  bailed only  pumped only  pumped slowly  Other	11. Depth to Water (from top of well casing)  Date  Time  12. Sediment in well bottom  13. Water clarity	_9Z.	<u>ZO</u> ft. <u>S</u> / <u><b>2</b>q</u> d y y <u>S</u> □ a.m inches	After Development  91.96 ft.  04/26/39 m m d d y y  11:00 p.m.  inches
3. Time spent developing well $\pm 5.20$ min.		Turbid [	15	Cuerce (1 20 Turbid (1 25 (Describe)
4. Depth of well (from top of well casisng) 156 ft.				
5. Inside diameter of well				
5. Volume of water in filter pack and well casing	Fill in if drilling fluids  14. Total suspended solids  15. COD		nd well is at mg/l	mg/!
Accitional comments on development:				
well developed my: Person's Name and Firm	I hereby certury that the of my knowledge.	1 TOONE RITOU	nation is tru	se and correct to the best
vame: R. DAVIO DIALMORE	Signature: Marie	/ Nya	~	
E ENVIRON MENTAL	Firm: <u>C E</u>	ENVIRO	umen+	مل

SADGER ARMY AMUNITION FUNT PBM - 87-05			
License, Permit or Monitoring Number	Wis. Unique Weil Nu		eil Number
1. Can this well be purged dry?	11. Depth to Water	Before Development	
2. Well development method  surged with bailer and bailed	(from top of well casing)	_\$3.79£	-82.80tr
surged with block and bailed 4 2 surged with block and pumped 6 2	Date	04/21/89 mm dd/yy	04/23/19 mm d d d y y
surged with block, bailed and pumped 7 0 compressed air 2 0 bailed only 1 0	Time	10:00 □ p.m	
pumped only pumped slowly  5 1 5 0	12. Sediment in well bottom	inches	
Other	13. Water clarity	Clear 11 1 0 Turbid 11 1 5 (Describe)	Clear 20 Turbid 25 (Describe)
4. Depth of well (from top of well casising)			
5. Inside diameter of well			
5. Volume of water in filter pack and well casing			
7. Volume of water removed from well	14. Total suspended	ls were used and well is	
B. Volume of water added (if any) $\frac{1}{2} \underbrace{0}_{0} \underbrace{0}_{0}$ . $\underbrace{0}_{0}$ gal.	solids		
9. Source of water added	15. COD	mg/	mg/l
10. Analysis performed on water added? Yes No	1	ı	1
+ only multiplied by 2 in the volume	calculation i	noted of 5.	
Well developed by: Person's Name and Firm	I hereby certify that to of my knowledge.	he above unformation is	true and correct to the best
Name: R David Dilbrore	Signature:	de	
Furm: CE CALUZONMENTAL	Firm: CE	Cavironmental	

Fueinity/Project Name		Well Name	- 26		
BADGER ARMY AMUNITION PLANT		Men Name W-81- 09			
L.conse, Permut or Monutoring Number		Wis Unique Weil Nu	noer	DNR We	eil Numoer
Can this well be purged dry?	□Yes □ No	11. Depth to Water	Before Deve	elopment	After Development
2. Weil development method		(from top of well casing)		ft.	ft.
surged with bailer and pumped	□ 41 □ 61	_	1		
surged with block and pumped	0 4 2 0 6 2	Date	m m d	a' <del>y</del> y	$\frac{1}{m}\frac{1}{m}\frac{1}{d}\frac{1}{d}\frac{1}{y}\frac{1}{y}$
compressed air	7 0 2 0	Time	l .	p.m.	1
bailed only	10	ho e-=			
• • •	□ 51 □ 50	12. Sediment in well bottom		inches	inches
· · ·		13. Water clarity	Ciear 📋 1 Turbid 📋 1		Clear 20 Turbid 25
3. Time spent developing well	min.		Describe)	-	(Describe)
4. Depth of well (from top of well casising)	ft				
5. Inside diameter of well	in.				
6. Volume of water in filter pack and well casing	gal.				
		Fill in if drilling fluids	1		
8. Volume of water added (if any)	gal.	14. Total suspended solids		mg/l	mg/l
9. Source of water added		15. COD		mg/l	mg/l
10. Analysis performed on water added?  Of yes, attach results)	□ Yes □ No				
Accidenal comments on development:				<del></del>	
MELL NO.	t Devloted	. Bue to Lac	in of	water	•
well developed by: Person's Name and Firm		I hereby certify that the of my knowledge.	e 200ve mion	nation is ti	rue and correct to the best
Varie: R. DAVID DIAL MORE		Signature:			
im: CE ENVIRON MENTAL		Firm: CE	ENVIRO	NMBN+	AL

Iciaty/Project Name	Weil Name
BADGER ARMY AMUNITON PLANT	
license, Permit or Monitoring Number	Wis. Unique Weil Number DNR Weil Number
l. Can this well be purged dry?	Before Development After Development
	11. Depth to Water (from top of 79.73 ft. 79.63 ft.
. Well development method	(from top of well casing) _ 79.73 ft 79.63 ft.
surged with bailer and bailed 4 1	wen casing)
surged with bailer and pumped   6 1	
surged with block and bailed 4 2	
surged with block and pumped 5 6 2	
surged with block, bailed and pumped 7 0	
compressed air 2 0	
bailed only	1
pumped only 🗾 5 1	
pumped slowly	
Other 🗆 🚾	13. Water clarity   Clear 12 10   Clear 12 20   Turbid 12 15   Turbid 12 25
. Time spent developing well 6_ D_1	min. (Describe)
3. Depth of well (from top of well casisng)	. ft.
. Inside diameter of well	. in.
. Volume of water in filter pack and well	
casing	
	Fill in if drilling fluids were used and well is at solid waste facility:
. Volume of water removed from well 155.	eel
	14. Total suspended mg/l mg/l
. Volume of water added (if any)	gal. solids
. Source of water added	
0. Analysis performed on water added?	<b>ES</b> . No
(If yes, attach results)	
Additional comments on development:	
Vell developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.
vame: R. David Dinswore	Signature: Willes / Luch
	and the American
"I'M" C. & ENVIRONMENTAL	Firm: CE QNV RONMENTOL

CE MINITIONMENTAL

SADGER ARMY AMUNITION PLANT	Well Name PBM - 27-08		
cicense, Permit or Monitoring Number	Wis. Unique Well Nu	moer DNR We	il Number
Can this well be purged dry?  Description:  Well development method  Surged with bailer and bailed  Surged with bailer and pumped  Surged with block and pumped  Surged with block and pumped  Surged with block and pumped  Compressed air  Salled only  Spumped conly  Spumped conly  Spumped slowly  Other  Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher   Cher	11. Depth to Water (from top of well casing)  Date  Time  12. Sediment in well bottom  13. Water clarity  Fill in if drilling fluid solids	Before Development  I Q O o ft.  O Y / C 6 / 8 Q m m d d y y  I S O E p.m.  inches  Cer 10  Turbid 15  Describe)	After Development  1.20.57 ft.  1.21.13/89 m m d d y y y
0. Analysis performed on water added?	15. COD	mg/	1 mg/1
(If yes, attach results)			
Well developed by: Person's Name and Firm	I hereby certify that to of my knowledge.	he above information is	true and correct to the best
Name: R. David Diasmore	Signature: 14/1/	w wich	

Firm:

NOTE: Shaded areas are for DNR use only. See instructions for more information.

C E EN 11'20 NMENTAL

Firm:

Facially/Project Name		Weil Name		
BADGER ARMY AMUNITION ACTION		ELM-89-01		
License, Permit or Monitoring Number		Wis Unique Well Nu	moer DNR W	eil Number
	<del></del>			
1. Can this well be purged dry?	■ No		Before Developmen	t After Development
2. W-11 development marked		11. Depth to Water (from top of	142.47 1	142.42 12
2. Well development method		well casing)		
	1 5 1		]	
	1 2	Date	201.04	03.03.00
-	5 2		05/01/89 mm d d y y	02/02/29 mm d d y y
	7 0		1	1
	20	Time		LZ: QQ = a.m.
·	10	. MIRE	- T. T. T. T. Day	TE. DOLL
· · · · · · · · · · · · · · · · · · ·		12. Sediment in well	inche	s inches
·	5 1 5 0	bottom	mene	
		13. Water clarity	Clear 10 10	Clear 20
Other L [		13. Walet Clarity	Turbid 15	Turbid 25
2. Time meet developing mall	<b>.</b> .		(Describe)	(Describe)
3. Time spent developing well	Z min.			
4. Depth of well (from top of well casisng) 192	۸ ۱		I———	
4. Depth of well (from top of well casising) 122	. <u> </u>			
5. Inside diameter of well _4 b	· :-			-
5. Inside diameter of well	w.			·
6. Volume of water in filter pack and well				-
casing 4	. O gal.		l ————	.
	· A Sar	Fill in if dilling fluid	s were used and well is	at solid waste facility:
7. Volume of water removed from well 245		I m of II driming store		1
7. Volunte of water femoved from wer	. — 5	14. Total suspended	mg	/ mg/l
8. Volume of water added (if any)	. <u>D</u> gal.	solids		
9. Source of water added NA		15. COD	mg	/mg/l
10. Analysis performed on water added? Yes (If yes, attach results)	⊠ No			
Additional comments on development				
Well developed by: Person's Name and Firm		I hereby certify that t	he apove information is	true and correct to the best
well developed by: retson's traine and rum		of my knowledge.		
			<u> </u>	
Name: R. DRULD DINSMORE		Signature: Willy	ed Dyche	
		Firm: (F	EN VIRANMEN	<b>.</b>
Firm: C.E ENVIRONMENTAL			PA-4 A / MY MAN LINGS I.A	

Facinity/Project Name		Weil Name		
BAGGER ARMY AMUNITED PLANT		ELM-89-02 A		
License, Permit or Monkoring Number		Wis. Unique Weil Nui		il Number
	May Yes D No		Before Development	A free Development
1. Can this well be purged dry?	ElYes □ No	11. Depth to Water	Before Development	After Development
2 11/-11 41		(from top of	140.74 1	142 72 14
2. Well development method	- 41	well casing)		1 1 2 2 3 2 2 1 2 1 2 1 2 1 2 1 2 1 2 1
surged with bailer and bailed	0 4 1		ļ	
surged with bailer and pumped	□ 6 1	Date	20	
surged with block and bailed	<b>4</b> 2	) Delle	03/04/89	10/25/89 mm d d y y
surged with block and pumped	□ 62 □ 70			1
surged with block, bailed and pumped		Time	13:00 pm	2.m.
compressed air	□ 20 □ 10	1 mine		1
bailed only	51	12. Sediment in well	inches	inches
pumped only pumped slowly	□ 50_	bottom		
Other		13. Water clarity	Clear 🗆 10	Clear 🛘 20
OUE	. u <u>t——1</u>		Turbid 15	Turbid 25
3. Time spent developing well			(Describe)	(Describe)
3. I thie spent developing wen			,	,
4. Depth of well (from top of well casising)	146. m			
4. Deput of well (from top of well easing)			\ <del></del>	\ <u></u>
5. Inside diameter of well	_4_0_in	1		
J. Ballo Ginilant of war		1		
6. Volume of water in filter pack and well				
casing	_ 76 gal.	1		·
•		Fill in if drilling fluid	s were used and well is	at solid waste facility:
7. Volume of water removed from well	O. Q sal			
		14. Total suspended	mg/	lmg/l
8. Volume of water added (if any)	OOgal.	solids	1	
9. Source of water added		15. COD	mg/	1 mg/l
		1	Ì	
10. Analysis performed on water added?	☐ Yes ☐ No			
(If yes, attach results)				
Acquinai comments on development			<b>.</b> .	
NO WATER DUMPED	FROM WILL	. PUMP INT	MINE HIGHER	- Than water
un miller toucks	( ) ( ) · · · · · · · · · · · · · · · · · ·	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Level				
Well developed by: Person's Name and Firm		If hereby certify that t	he above information is	true and correct to the best
Well developed by. Telsony I then all I am		of my knowledge.	, j	
			a/ dar =	
Nume: R. DAULD DINSW		Signature:		
		<u> </u>	/	- 11 - 4
Fum: CE ENVIRONMEN	WA .	Firm:	ENTONE	ivac_

epth to Water om top of ill casing)  Before Development 141.85 ft	143.4Lf
repth to Water om top of all casing)  The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the st	m m d d y y m m d d y y m m d d y y n
me  diment in well atter clarity  Clear 10  Turbid 215	m m d d y y n a.r. p.: inche Clear 20 Turbid 25
me  diment in well ttom  ater clarity  Clear   10  Turbid   15	n. a.m. p.:
diment in well inchestom  ater clarity Clear 10  Turbid 15	n. a.m. p.:
diment in well inchestom  ater clarity Clear 10  Turbid 15	n. a.m. p.:
diment in well inchestom  ater clarity Clear 10  Turbid 15	n. a.m. p.:
diment in well inchestom  ater clarity Clear 1 0  Turbid 1 5	Clear   20 Turbid   25
diment in well inchestom  ater clarity Clear 1 0  Turbid 1 5	Clear   20 Turbid   25
ttom ater clarity Clear 10 Turbid 15	Clear   20 Turbid   25
ttom ater clarity Clear 10 Turbid 15	Clear   20 Turbid   25
Atter clarity Clear 10 Turbid 15	Turbid 🔲 25
Turbid 📆 15	Turbid 🔲 25
(Describe)	(Describe)
	-
	_1
	.   <del> </del>
	_
•	-
if drilling fluids were used and well is	s at solid waste facility:
cal suspended m	и _п
lids	
ODm	и m
<b> </b>	1
<b>\$</b> 0	Total suspended mg solids  COD mg

Fuciaty/Project Name		Weil Name			
BADGER ARMY AMUNITION PLANT		ELM -89-03			
License, Permit or Monitoring Number		Wis. Unique Weil Nu	moer DNR W	eil Number	
1. Can this well be purged dry?	□ Yes <b>Z</b> X No	11. Depth to Water	Before Developmen	After Development	
Well development method     surged with bailer and bailed		(from top of well casing)	137.24A	137.18 fc	
	<b>4</b> 1				
surged with bailer and pumped surged with block and bailed	61	<b>D</b>	1		
<del>-</del>	4 2	Dene	05/04/54 mm d d y y	05/05/89 mm d d y y	
surged with block and pumped	6 2	1		1	
surged with block, bailed and pumped	7 0	T	LS:LO Dam		
compressed air	20	Time		LC: U E p.m.	
bailed only	<u> </u>	12. Sediment in well		. ,	
pumped only	5 1	bottom	inches	inches	
pumped slowly	50		la		
Other	. 🛮 🗀	13. Water clarity	Clear II 10	Clear 20	
2 Time seems developing and	•		Turbid 🔲 15	Turbid 25	
3. Time spent developing well	<b>!</b> D min.		(Describe)	(Describe)	
4. Depth of well (from top of well casisng)	TZT.T#	İ			
	ti A .				
5. Inside diameter of well	_4.Q_in.				
6. Volume of water in filter pack and well	- 4				
casing	<u> </u>			•	
	. 0.0	Fill in if drilling fluid	s were used and well is	at solid waste facility:	
7. Volume of water removed from well	1 <u>80</u> gal.	1		ł	
		14. Total suspended	ms/	mg/l	
8. Volume of water added (if any)	5al.	solids			
9. Source of water added		15. COD	mg/	mg/l	
10. Analysis performed on water added? (If yes, attach results)	☐ Yes E No	•	•	•	
Additional comments on development:	<del></del>				
· · · · · · · · · · · · · · · · · · ·					
Well developed by: Person's Name and Firm		I hereby certury that the	ne above uniormation is	true and correct to the best	
· •		of my knowledge.	· / / /		
Name: R. DAWID DiUSTORE	<del></del>	Signature: 1///	M CIL		
Fum: C-E ENVIRONMENT	AL	Firm: LP	ENVIRONME	vtal	

BADGER ARMY AMUNITION PLANT		Well Name ELN-89-04A		
License, Permit or Monitoring Number		Wis Unique Weil Number DNR Weil Number		
1. Can this well be purged dry?	☐ Yes <b>□X</b> , No	11. D-1-1-1	Before Developmen	t After Development
Well development method     surged with bailer and bailed     surged with bailer and pumped	□ 41 □ 61	11. Depth to Water (from top of well casing)	147.54 ft	
surged with block and bailed surged with block and pumped surged with block, bailed and pumped	□ 42 □ 62 □ 70	Date	,	10/25/89 mm d d y y
compressed air bailed only	□ 20 □ 10	Time	14:30 E pr	:p.m.
pumped only pumped slowly	5 1 5 0	12. Sediment in well bottom	inche	
Other  3. Time spent developing well	_ U & O min.	13. Water clarity	Clear 27 10 Turbid 15 (Describe)	Clear 20 Turbid 25 (Describe)
4. Depth of well (from top of well casising)	165r			
5. Inside diarneter of well	in			
6. Volume of water in filter pack and well casing	_ <u>\$6</u> gal.			
7. Volume of water removed from well	1686. gal			at solid waste facility:
8. Volume of water added (if any)	360gal.	14. Total suspended solids	mg	/ mg/l
9. Source of water added		15. COD	mg	/ mg/1
10. Analysis performed on water added? (If yes, attach results)	☐ Yes	<b>!</b>		
Additional comments on development:				
Well developed by: Person's Name and Firm	···-	I hereby certify that the of my knowledge.	ne above uniormation is	true and correct to the best
Name: GEOFF KNGHT		Signature:	w ciych	
Firm: CEENVIRONMEN	<u> </u>	Firm: CE	ENVIRONME	NAL

BADGER ARMY AMUNITION	PLANT	ELN-39	-648	
License, Permit or Monitoring Number		Wis. Unique Weil Nu		ed Number
2. Well development method surged with bailer and bailed surged with bailer and pumped surged with block and bailed surged with block and pumped surged with block and pumped surged with block, bailed and pumped	☐ Yes ☑ No  ☐ 4 1 ☐ 6 1 ☐ 4 2 ☐ 6 2 ☐ 7 0	11. Depth to Water (from top of well casing)	148.62 m	10/25/39 mm d d y y
compressed air bailed only pumped colly pumped slowly Other	2 0 1 0 5 1 5 0	Time  12. Sediment in well bottom  13. Water clarity	LL: 00 p.m  LL: 10 p.m  LL: 10 p.m  Clear 20 10  Turtid 15	
3. Time spent developing well 4. Depth of well (from top of well casising)	45min. 45min.		(Describe)	(Describe)
5. Inside diameter of well  6. Volume of water in filter pack and well casing	inin			
7. Volume of water removed from well  8. Volume of water added (if any)  9. Source of water added	Qgal.	Fill in if drilling fluid  14. Total suspended solids  15. COD		
10. Analysis performed on water added? (If yes, attach results)	☐ Yes		<u> </u>	
Well developed by: Person's Name and Firm		I hereby certury that to	ne acove injoirnation is	true and confect to the best
Name: VICKI MILLER		Signature:M/M	WW CYCL	
Firm: CEENVIRONMENT	TN	Firm: CE	ENVIRONME	NAL

BADGER ARMY AMINITION DI	TWA	ELM -39-0	5		
License, Permit or Mohitoring Number —	cense, Permit or Mohitoring Number		Wis. Unique Weil Number DNR Weil Number		
1. Can this well be purged dry?  2. Well development method surged with bailer and bailed surged with block and pumped surged with block and pumped surged with block, bailed and pumped compressed air bailed only pumped only pumped slowly  Other  3. Time spent developing well  4. Depth of well (from top of well casisng)  5. Inside diameter of well  6. Volume of water in filter pack and well casing  7. Volume of water removed from well  8. Volume of water added (if any)  9. Source of water added  10. Analysis performed on water added?	Yes No  4 1 6 1 4 2 6 6 2 7 0 2 0 1 0 5 5 1 5 0	11. Depth to Water (from top of well casing)  Date  Time  12. Sediment in well bottom  13. Water clarity  Fill in if drilling fluid solids  15. COD	m	OS/OS/PT m m d d y y  LS:QOS p.m  cs	
10. Analysis performed on water added? (If yes, attach results)  Additional comments on development:	C Yes 12 No			<del> </del>	
Well developed by: Person's Name and Firm  Name: R DAVID DIASPORE		I hereby certify that to of my knowledge. Signature:	the above information i	s true and correct to the be	
Fum: CE ENVIRONMENT	TAC	Firm: CE	<b>ENVIRONMEN</b>	HAL	

FACILITY/Project Name  BADGER ARMY AMUNITION PLAN	VT Weil	Name LN -87 -(	268	
License, Permit or Monitoring Number		Durdre Merryn		ed Number
4. Depth of well (from top of well casising)  5. Inside diameter of well  6. Volume of water in filter pack and well casing  7. Volume of water removed from well  123	11. E  4 1 6 1 4 2 6 2 7 0 2 0 1 0 5 1 5 0 3. W  87 min. 3 ft0 _ in.  5 gal.  6 gal.  14. To 25 gal.  15. C	otal suspended lids	129.59 a	m m d d y y  a.m.    a.m.   p.m.   inches    Clear   20   Turbid   25   (Describe)    at solid waste facility:   mg/l
Additional comments on development:  Well developed by: Person's Name and Firm	I here of my	by certify that to knowledge.	ne acove unicomation is	true and correct to the best
Name:	Signe	are: Mill	weyl-	
Furni C E E NV IRON ME NTW	Fun:	CE	ENVIRONME	WAL

	LANT	Weil Name ELM-89-07		
cense, Permit or Monitoring Number		Wis. Unique Weil Nur	noe DNR We	il Number
. Can this well be purged dry?	□Yes PC No		Before Development	After Developmen
. Well development method		11. Depth to Water (from top of	128.112	13867
surged with bailer and bailed	□ 41	well casing)		
surged with bailer and pumped '	□ 61	1	1	1
surged with block and bailed	□ 4 2	Date	14,30,89	10/25/89
surged with block and pumped	6 2	1	04/30/59 mm d d d y y	mm dd y
surged with block, bailed and pumped	70		. Fra.m.	Па
compressed air	20	Time	_₹:20 = p.m.	:P
bailed only	10	ļ		
pumped only	夏 51	12. Sediment in well	inches	inch
pumped slowly	50	ростоги		
Other		13. Water clarity	Cer 10	Clear 🔲 20
			Turbid 15	Turbid 25
Time spent developing well	_480 min.		(Describe)	(Describe)
	5 Z. n			
. Depth of well (from top of well casisng)	<u> </u>			
facile discussion of sum	_ <u> </u>		ļ	
. Inside diameter of well	_2/. L _ m			
. Volume of water in filter pack and well				] <del></del>
casing	36sel			l
		Fill in if drilling fluids	were used and well is	u solid waste facility:
. Volume of water removed from well 3-6	8 6 gal.		1	 
		14. Total suspended	mg/l	
Volume of water added (if any)	DDgal.	solids		
Source of water added		15. COD	mg/l	
0. Analysis performed on water added?	☐ Yes EL No	1	l	1
(If yes, attach results)	_			
aditional comments on development:				<del></del>
•				
additional comments on development:		·		

 $\mathbb{Z}_{(n)} = \{ \dots, n \}$ 

Fucility/Project Name		Weil Name		
BADGER ARMY AMUNITION	PLANT	ELM-71-08		
License, Permit or Monitoring Number		Wis. Unique Weil Nu	noe: DNR W	eil Number
1. Can this well be purged dry?	□ Yes Et No		Before Developmen	After Development
Well development method     surged with bailer and bailed     surged with bailer and pumped	□ 41 □ 61	11. Depth to Water (from top of well casing)	126.95 ft	137.05ft
surged with block and bailed surged with block and pumped surged with block, bailed and pumped	□ 4 2 □ 6 2	Date	04/25/59 mm d d y y	1
compressed air bailed only	7 0 2 0 1 0	Time	14:00gpm	L7: 10 2 p.m.
pumped only pumped slowly Other	5 5 1 5 0	12. Sediment in well bottom 13. Water clarity	Clear   10	Clear 20
3. Time spent developing well	_140 min.		Turbid [2] 15 (Describe)  Brown Color	Turbid 25 (Describe)
4. Depth of well (from top of well casising)	14 <u>5</u> . – «			
5. Inside diameter of well	_4.0_in			
6. Volume of water in filter pack and well casing	_41sa			
7. Volume of water removed from well	<u>705.1_32</u>	Fill in if drilling fluid: 14. Total suspended	s were used and well is	
8. Volume of water added (if any)	Q sar	solids		
9. Source of water added		15. COD	mg/	1 mg/l
10. Analysis performed on water added? (If yes, attach results)	1 Yes 15 No	1	Į	1
Additional comments on development			<del></del>	

Well developed by: Person's Name and Firm	I hereby cortary that the above information is true and correct to the best of my knowledge.
Name: R. DAVID DIABMORE	Signature: Walk Na
Firm: CE ENVIRON MENTAL	Firm: CE ENVIRONMENTAL

BADGER ARMY AMUNITION License, Permit or Monitoring Number		Wis Unique Weil Nu	-59-09	il Numoer
. Can this well be purged dry?	□ Yes Ø No	11. Depth to Water	Before Development	After Development
. Well development method		(from top of	140.16 1	140.20
surged with bailer and bailed	4 1	well casing)		
surged with bailer and pumped	□ 61	<b>}</b>		
surged with block and bailed	□ 4 2	Date	04,29,59	04/30/90
surged with block and pumped	□ 6 2	_	mm dd yy	mm dd y
surged with block, bailed and pumped	70		1	
compressed air	20	Time	: p.m.	:: P.
bailed only	10			
pumped only	<b>2</b> 5 1	12. Sediment in well	inches	inche
pumped slowly	50	bottom	ļ	
Other		13. Water clarity	Clear 🛮 10	Clear 20
		1	Turbid 👺 15	Turbid 🔲 25
Time spent developing well	_231 min		(Describe)	(Describe)
. Depth of well (from top of well casising)	156n			
. Inside diameter of well	_4.6_in			
. Volume of water in filter pack and well			l	
casing	_ <u>~~\$</u> gal.			
37.1	1200	Fill in if drilling fluid	were used and well is a	u solid waste facility:
. Volume of water removed from well	<u> [390 sal</u>		_	
. Volume of water added (if any)	320 gal.	14. Total suspended solids	mg/l	·_m
. Source of water added	·	15. COD	mg/l	m
0. Analysis performed on water added?	☐ Yes Es No	í	ı	Į
(If yes, attach results)				
aditional comments on development:		<del></del>		<del></del>
cll developed by: Person's Name and Firm		I hereby certify that the of my knowledge.	le acove uniormation is t	rue and correct to the be
Tame: Vocki Miles		Signature: MILL	el dein	
		- Linear		
um: CEENVIRONMEN	rt-al	Firm: C. E.	ENVIRONME	HAL

### MONITORING WELL DEVELOPMENT FORM

Facility/Project Name	Well Name RPM-91-01
License, Permit or Monitoring Number	Wis. Unique Weil Number DNR Well Number
1. Can this well be purged dry?	Before Development After Development last
2. Well development method surged with bailer and bailed	(from top of well casing)  LOO.12 ft LOO.10 ft LOO.
surged with block and bailed 4 2 surged with block and pumped 6 2	Dens 11/1/2/2/2/ 11/10/19/19/19/19/19/19/19/19/19/19/19/19/19/
surged with block, bailed and pumped 7 0 compressed air 2 0 bailed only 1 0	Time 15:20 pm. 10:00 pm. 11.20
pumped only (with surging) 5 1 pumped slowly 5 0 Other	12. Sedirment in well   OB. 1 inches   OB. 2 inchés - bottom   13. Water clarity   Clear   10   Clear   20
3. Time spent developing well 90 min.	Turbid 5 15 Turbid 25 (Describe) (Describe)
4. Depth of well (from top of well casising) 196.1 ft.	slighty
5. Inside diameter of well  6. Volume of water in filter pack and well	
casing	Fill in if drilling fluids were used and well is at solid waste facility:
8. Volume of water added (if any)	14. Total suspended mg/l mg/l
9. Source of water added	15. COD mg/l mg/l
10. Analysis performed on water added? Yes No (If yes, attach results)	10,0 ft.  17. Pump used was Grundfos Redi-Flo & w
	Straining cloth  well to casing:19  stick-up: a.5±
T (°C)  OH (units) 17 17 17 17 17  Sond. (unhos) 608 614 613 580 660	instal depth to: 108.1
and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	- final depth to: 108.2 108.2
Weil developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.
Name: D. Dionne/ D. Von Bush berger	Signature 1. 1. M. Mancy E. Rok.
Firm: ABB~ES	Firm: ABB-ES'

DNR Well Number  Evelopment After Development  .5 4 ft. ft.  .5 / 2 9
S/29 mm/d/yy
.5.4 ft ft.
.5.4 ft ft.
.5.4 ft ft.
5/29 mm/dd/yy
5/29 mm/dd/yy
• • •
• • •
• • •
• • •
○ <b>2</b> p.m: p.m.
1
inches
10 Clear 🗆 20
15 Turbid 25
(Describe)
and well is at solid waste facility:
1
mg/l
mg/l
•
·

# MONITORING WELL DEVELOPMENT Form 4400-1138 8-89

2. Well development method surged with bailer and bailed surged with bailer and pumped surged with block and bailed surged with block and bailed surged with block and pumped surged with block bailed and pumped compressed air bailed only pumped only pumped slowly Other  3. Time spent developing well 4. Depth of well (from top of well casisng)  4. Depth of well (from top of well casisng)  4. Depth of water in filter pack and well casing  3. Volume of water removed from well  1. Depth to Water (from top of well casisng)  Date  1. Lopth to Water (from top of well casing)  Date  1. Lopth to Water (from top of well casing)  Date  1. Lopth to Water (from top of well casing)  Date  1. Lopth to Water (from top of well casing)  Time  1. Lopth to Water (from top of well casing)  Time  1. Lopth to Water (from top of well casing)  Time  1. Lopth to Water (from top of well casing)  Time  1. Lopth to Water (from top of well casing)  Time  1. Lopth to Water (from top of well casing)  Time  1. Lopth to Water (from top of well casing)  Time  1. Lopth to Water (from top of well casing)  Time  1. Lopth to Water (from top of well casing)  Time  1. Lopth to Water (from top of well casing)  Time  1. Lopth to Water (from top of well casing)  Time  1. Lopth to Water (from top of well casing)  Time  1. Lopth to Water (from top of well casing)  Time  1. Lopth to Water (from top of well casing)  Time  1. Lopth to Water (from top of well casing)  Time  1. Lopth to Water (from top of well casing)  Time  1. Lopth to Water (from top of well casing)  Time  1. Lopth to Water (from top of well casing)  Time  1. Lopth to Water (from top of well casing)  Time  1. Lopth to Water (from top of well casing)  Time  1. Lopth to Water (from top of well casing)  Time  1. Lopth to Water (from top of well casing)  Time  1. Lopth to Water (from top of well casing)  Time  1. Lopth to Water (from top of well casing)  Time  1. Lopth to Water (from top of well casing)  Time  1. Lopth to Water (from top of well casing)  Time  1. Lopth to Water (from top of well c					
1. Can this well be purged dry?  2. Well development method surged with baller and bailed surged with blaler and pumped   6 1 surged with block and pumped   6 2 surged with block and pumped   6 2 surged with block bailed and pumped   7 0 compressed air   2 0   3 mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y y   mm   4 d d y   mm   4 d d y   mm   4 d d y   mm   4 d d y   mm   4 d d y   mm   4 d d y   mm   4 d d	π				
2. Well development method surged with bailer and bailed surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block bailed and pumped surged with block and pumped surged with block bailed and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and surged with surged surged and well and surged surged surged surged with surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged		Wis Unique Weil Nu	moer L	NR Wel	1 Number
2. Well development method surged with bailer and bailed surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block bailed and pumped surged with block and pumped surged with block bailed and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block and surged with surged surged and well and surged surged surged surged with surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged surged			<del></del>	<del></del> -	
2. Well development method surged with bailer and bailed surged with bailer and pumped surged with block and bailed surged with block and bailed surged with block and bailed surged with block and bailed surged with block salled and pumped surged with block salled and pumped compressed air bailed only pumped only pumped slowly Other  3. Time spent developing well 4. Depth of well (from top of well casing)  5. Inside diameter of well 4. Volume of water in filter pack and well casing  5. Volume of water added (if any)  9. Source of water added  11. Depth to Water (from top of well casing)  12. Sealinent in well bottom 13. Water clarity  12. Sediment in well bottom 13. Water clarity  14. O in.  15. Inside diameter of well  15. Inside diameter of well  17. O gal.  18. Volume of water added (if any)  9. Source of water added  19. Analysis performed on water added?  19. Analysis performed on water added?  10. Analysis performed on water added?  11. Depth to Water (from top of well casing)  10. Analysis performed on water added?  11. Depth to Water (from top of well casing)  10. Analysis performed on water added?  11. Depth to Water (from top of well casing)  12. Sediment in well bottom  12. Sediment in well bottom  13. Water clarity  12. Sediment in well bottom  13. Water clarity  14. Total suspended  15. COD  16. Timbid 15  15. COD  16. Timbid 15  15. COD  16. Timbid 15  17. Timbid 15  18. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15  19. Timbid 15	DY S D No		Before Develo	opment	After Development
surged with bailer and pumped			0-		
surged with bailer and pumped   6 1   0   0   0   0   0   0   0   0   0			1-48.2	3 ft	_98.75 fc
surged with block and bailed surged with block and pumped surged with block, bailed and pumped compressed air bailed only pumped only pumped slowly Coher  1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1. Clear 1	□ 41	well casing)	1	j	
surged with block, bailed and pumped	□ 61	1		- 1	
surged with block, bailed and pumped	<b>4</b> 2	Dane	111/20	18 d	11/21/89
compressed air bailed only pumped only pumped only pumped slowly Other  1.2. Sediment in well bottom 1.3. Water clarity  Clear 21 0 Turbid 15 Turbid 25  Describe)  1.3. Water clarity  Clear 21 0 Turbid 15 Turbid 25  Describe)  Clear 20 Turbid 15 Turbid 25  Describe)  Fill in if drilling fluids were used and well is at solid waste facility:  1.4. Total suspended solids  1.5. COD  1.6. Volume of water added (if any)  9. Source of water added  1.7. O. gal.  1.8. COD  Time  1.5. C. D. E. p.m  1.2. 2. 0. E. p.m  1.2. Sediment in well bottom  1.3. Water clarity  Clear 21 0 Turbid 15 Turbid 25  Describe)  Fill in if drilling fluids were used and well is at solid waste facility:  1.6. Volume of water removed from well  1.7. O. gal.  1.8. COD  1.9. COD  Time  1.5. C. D. E. p.m  1.6. Volume of water added (if any)  1.7. Cod and waster added (if any)  1.8. COD  Turbid 15 Turbid 125  Describe)  1.9. Cod and well is at solid waste facility:  1.6. COD  1.7. Cod and well is at solid waste facility:  1.7. Cod and waster added (if any)  1.8. COD  1.9. Cod and well is at solid waste facility:  1.9. COD  1.9. Cod and well is at solid waste facility:  1.9. COD  1.9. Cod and well is at solid waste facility:  1.9. COD  1.9. Cod and well is at solid waste facility:  1.9. COD  1.9. Cod and well is at solid waste facility:  1.9. COD  1.9. Cod and well is at solid waste facility:  1.9. COD  1.9. Cod and well is at solid waste facility:  1.9. COD  1.9. Cod and well is at solid waste facility:  1.9. COD  1.9. Cod and well is at solid waste facility:  1.9. Cod and well is at solid waste facility:  1.9. Cod and well is at solid waste facility:  1.9. Cod and well is at solid waste facility:  1.9. Cod and well is at solid waste facility:  1.9. Cod and well is at solid waste facility:  1.9. Cod and well is at solid waste facility:	□ 6 2	ì	mm dd	уу	mm ddyy
bailed only pumped only pumped slowly Other  12. Sediment in well bottom 13. Water clarity Clear  10  Clear  20 Turbid  15  Turbid  25 Describe)  14. Depth of well (from top of well casisng) Clear  20 Turbid  15  Turbid  25 Describe)  15. Inside diameter of well Casing  24. gal.  7. Volume of water in filter pack and well casing  34. gal.  Fill in if drilling fluids were used and well is at solid waste facility:  16. Total suspended solids  16. COD  17. COD  18. COD  19. Source of water added  19. COD  10. Analysis performed on water added?  10. Analysis performed on water added?  11. Sediment in well bottom 12. Sediment in well bottom 13. Water clarity Clear  10  Clear  20 Turbid  25 Describe)  15. Cod  16. Total suspended solids  16. COD  17. Total suspended solids  18. COD  19. Malysis performed on water added?  19. Source of water added?  10. Analysis performed on water added?  11. Sediment in well bottom 12. Sediment in well bottom 13. Water clarity Clear  10  Clear  20 Turbid  25 Describe)  16. Total suspended solids  16. COD  17. Total suspended solids		1	1.7	a.m.	a.m.
pumped only pumped slowly Other  1.2. Sediment in well bottom 1.3. Water clarity  Clear 2 10  Turbid 15  Turbid 15  Turbid 25  Describe)  1.5. Inside diameter of well casing  7. Volume of water removed from well 1.7. Q. gal.  8. Volume of water added 10. Analysis performed on water added?  11. Analysis performed on water added?  12. Sediment in well bottom 13. Water clarity  Clear 2 10  Turbid 15  Turbid 15  Describe)  15. Cod  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 15  Turbid 1		Time	177:50	₩ b·w	1≥:00± p.m.
bottom Other    3. Water clarity   Clear   10   Turbid   15   Turbid   25   Describe			Ì		
Other				inches	inches
3. Time spent developing well			_	Į.	_
3. Time spent developing well  4. Depth of well (from top of well casisng)  5. Inside diameter of well  6. Volume of water in filter pack and well  casing  7. Volume of water removed from well  8. Volume of water added (if any)  9. Source of water added  17. Q. gal.  14. Total suspended  solids  15. COD  16. COD  17. COD  17. COD  18. COD  19. COD  19. COD  19. COD  10. Analysis performed on water added?		13. Water clarity			
4. Depth of well (from top of well casisng)  111.8 ft  5. Inside diameter of well  6. Volume of water in filter pack and well casing  7. Volume of water removed from well  8. Volume of water added (if any)  9. Source of water added  170. gal.  14. Total suspended solids  15. COD  16. COD  170. mg/l  170. mg/l  18. Volume of water added  19. Source of water added  19. Source of water added  10. Analysis performed on water added?	<b>.</b> .				
5. Inside diameter of well  6. Volume of water in filter pack and well casing  7. Volume of water removed from well  8. Volume of water added (if any)  9. Source of water added  17. O gal.  14. Total suspended solids  15. COD  10. Analysis performed on water added?  17. Volume of water added?  18. Volume of water added?  19. Source of water added?  19. Source of water added?  19. Source of water added?	<u>10</u> min.		(Describe)	ľ	(Describe)
5. Inside diameter of well  6. Volume of water in filter pack and well casing  7. Volume of water removed from well  8. Volume of water added (if any)  9. Source of water added  17. O gal.  14. Total suspended solids  15. COD  10. Analysis performed on water added?  17. Volume of water added?  18. Volume of water added?  19. Source of water added?  19. Source of water added?				\	
6. Volume of water in filter pack and well casing	TTT.5%		<b> </b>		
6. Volume of water in filter pack and well casing		}	<b> </b>		
Summer of water removed from well   170   gal.   Fill in if drilling fluids were used and well is at solid waste facility:    8. Volume of water added (if any)   0   gal.	_ <u>ir</u> _	ļ.	I	[	
Summer of water removed from well   170   gal.   Fill in if drilling fluids were used and well is at solid waste facility:    8. Volume of water added (if any)   0   gal.		1	}	[	
7. Volume of water removed from well  8. Volume of water added (if any)  9. Source of water added  17. Q. gal.  14. Total suspended solids  15. COD  10. Analysis performed on water added?  15. COD  16. Analysis performed on water added?  17. Q. gal.  18. Volume of water added?  18. Volume of water added?  19. Source of water added?  19. Source of water added?  10. Analysis performed on water added?			l		
7. Volume of water removed from well  8. Volume of water added (if any)  9. Source of water added  14. Total suspended solids  15. COD  10. Analysis performed on water added?  15. Yes  No	- 호급· - 8sg				44.4
8. Volume of water added (if any)  9. Source of water added  14. Total suspended solids  15. COD mg/l  10. Analysis performed on water added?  14. Total suspended solids	176	Fill in if drilling fluid	s were used and	well is a	t solid waste facility:
8. Volume of water added (if any)	7.7.07 Ber	1	1		
9. Source of water added	Ø eel			- man	mg/1
10. Analysis performed on water added?   Yes  No	<del></del> <u>54.</u>		1		
10. Analysis performed on water added?   Yes  No		15. COD	]	mg/l	mg/l
		1	}		
			1		
(If yes, attach results)	OYS ON				
Additional comments on development:					
Additional comments on development:		Yes No  4 1 6 1 4 2 6 2 7 0 2 0 1 0 5 1 5 0 4 0 min. 1 1 . 8 ft.	Yes   No   11. Depth to Water (from top of well casing)   12. Date   13. Date   14. Date   15. Sediment in well bottom   13. Water clarity   14. Date   15. Sediment in well bottom   15. Water clarity   15. Sediment in well bottom   15. Water clarity   15. Sediment in well bottom   15. Water clarity   15. Sediment in well bottom   15. Water clarity   15. Sediment in well bottom   15. Water clarity   15. Sediment in well bottom   15. Water clarity   15. Sediment in well bottom   15. Water clarity   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment in well bottom   15. Sediment	Yes   No	Yes   No

Badger Army Amwhon Pla	A) **-	Weil Name	<b>^</b>		
License, Permit or Monitoring Number		NPM - 89 - 01 Wis. Umque Weil Number DNR Weil Number			
Literise, Fermit or Monitoring Number		Wis. Omque Well Nu	DNK W	ell Number	
1. Can this well be purged dry?	□ Yes □ No	11. Depth to Water	Before Development	After Development	
2. Well development method surged with bailer and bailed surged with bailer and pumped surged with block and bailed	0 4 1 0 6 1 0 4 2	(from top of well casing)	_\$5.33£		
surged with block and pumped surged with block, bailed and pumped compressed air	6 2 7 0 2 0	Time	m m d d y y	1 1 / 20 / 89 y y	
bailed only pumped only pumped slowly	1 0 5 1 5 0	12. Sediment in well bottom	inches		
Other  3. Time spent developing well	150 min.	13. Water clarity	Clear El 10 Turbid [] 15 (Describe)	Clear 20 Turbid 25 (Describe)	
4. Depth of well (from top of well casisng)	_94n				
5. Inside diameter of well	_4.L_in				
6. Volume of water in filter pack and well casing	_ <u>43</u> gal.	Fill in if drilling fluids	were used and well is	at solid waste facility.	
7. Volume of water removed from well	715 _ gal	14. Total suspended	mg/		
8. Volume of water added (if any)	<u>O</u> gal.	solids			
9. Source of water added		15. COD	mg/	mg/l	
10. Analysis performed on water added? (If yes, attach results)	☐ Yes				
Additional comments on development:			7,		
Well developed by: Person's Name and Firm		I hereby certify that the of my knowledge.	e above information is	true and correct to the best	
Name: Williams Dyche	·	Signature:	m/ Osol-		
Firm: C. P. Mall Tool Months		Firm: C PS	= Allibra Man	٠,	

BADGET ARMY AMENITOD &	TANK.	OPM-8901		
icense, Permit or Monitoring Number		Wis. Unique Weil Nu	moer DNR W	il Numoer
Can this well be purged dry?  Well development method surged with bailer and bailed	□ Yes <b>5</b> 3 No	11. Depth to Water (from top of well casing)	Before Development	After Development  _66.02 ft.
surged with bailer and pumped surged with block and bailed surged with block, and pumped surged with block, bailed and pumped compressed air bailed only pumped only pumped slowly Other  3. Time spent developing well	6 1 4 2 8 6 2 7 0 2 0 1 0 5 1 5 0	Time  12. Sediment in well bottom  13. Water clarity	I / I 9 / 89 m m d d y y  L5: 20 E p.m  L5: 20 E p.m  Clear 10 Turbid E 15 Describe)  CRANIA COLOR	
Depth of well (from top of well casisng)  Luside diameter of well	_ <u>8 6.5</u> ft _ <u>U,0</u> _in		CACANGE (MRZ	
Volume of water in filter pack and well casing  Volume of water removed from well  Volume of water added (if any)  Source of water added		Fill in if drilling fluid:  14. Total suspended solids  15. COD	s were used and well is	
O. Analysis performed on water added?  Of yes, attach results)	□ Yes DS No			
Weil developed by: Person's Name and Firm		I hereby certify that the of my knowledge.	ne above information is	true and correct to the best
Name: David B Drowns		Signature: WW	in det	
Firm: ( E EN VIRONMENTAL	_	Firm: CE	ENVIRON MENT	<b>N</b> L_

Fucinity/Project Name	Weil Name			
BADGER MRMY DMUNITION ALBUT	04 M- 49-02			
License, Permit or Monitoring Number	Wis. Unique Weil Nu	moer	DNR We	eil Number
1. Can this well be purged dry?	11. Depth to Water	Before Dev	elopment	After Development
2. Well development method surged with bailer and bailed 4 1	(from top of well casing)	100.	<u> </u>	100.05 ft.
surged with bailer and pumped	Date	11/d	6/89 dyy	11/21/89 mm dd y y
surged with block, bailed and pumped 7 0 compressed air 2 0 bailed only 1 0	Time	11:0	O D bww	14:00 B p.m.
pumped only 5 1 pumped slowly 5 0	12. Sediment in well bottom		_ inches	
3. Time spent developing well \$00 min.	13. Water clarity	Clear 1 1 Turbid 12 1 Describe)	15	Clear   20 Turbid   25 (Describe)
4. Depth of well (from top of well casisng)ft_				
5. Inside diameter of well				
6. Volume of water in filter pack and well casing				
7. Volume of water removed from well	Fill in if drilling fluid  14. Total suspended	s were used ar	nd well is : mg/l	at solid waste facility:
8. Volume of water added (if any) 6 gal.	solids			
9. Source of water added	15. COD		mg/l	l mg/l
10. Analysis performed on water added?   (If yes, attach results)	1	1		ĺ
Additional comments on development:			<del></del> .	
Well developed by: Person's Name and Firm	I hereby certury that to of my knowledge.	ne above unior	mation is t	true and correct to the best
Name: Willard Dyle	Signature:	w deph	·	
Firm: LE BANIBANAL	Firm: C.E.	ENVIRA	menta	

Facility/Project Name  BADGER ARMY AMUNITION PLANT	Weil Name 0PM- K9-03
License, Permit or Monitoring Number	Wis. Unique Weil Number DNR Weil Number
1. Can this well be purged dry?	Before Development After Development
2. Well development method surged with bailer and bailed	(from top of 151.26 ft. 151.18 ft.
surged with block and bailed 4 2 surged with block and pumped 6 2 surged with block, bailed and pumped 7 0	Date 11/20/89 11/21/29 mm d d y y
compressed air 2 0 bailed only 1 0	Time _ 2: 0 0 p.m 10: 0 0 p.m.
pumped only pumped slowly  Other  Description:	12. Sediment in well inches inches bottom  13. Water clarity Clear   10 Clear   20
3. Time spent developing well1 <u>5 0</u> min.	Turbid 🗒 15 Turbid 🗀 25  Describe) (Describe)  Cluby Gray
4. Depth of well (from top of well casising)	(clare
5. Inside diameter of well  6. Volume of water in filter pack and well	
casing	Fill in if drilling fluids were used and well is at solid waste facility:
7. Volume of water removed from well  1.5.0. gal.  8. Volume of water added (if sny)  6. gal.	14. Total suspended mg/l mg/l mg/l
9. Source of water added	15. COD mg/l
10. Analysis performed on water added?   (If yes, attach results)	
Additional comments on development	
Well developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.
Name: Uillnet Dyche	Signature: W/MM Blych
Firm: CE PNINTONMENHAL	Firm: CE ENVIRONMENTAL

## MONITORING WELL DEVELOPMENT FORM

Facility/Project Name  BAAP- USATHAMA	Well Name OAM-91-01
License, Permit or Monitoring Number	Wis. Unique Weil Number: DNR Weil Number
1. Can this well be purged dry?  2. Well development method  surged with bailer and bailed  surged with block and pumped  surged with block and pumped  surged with block and pumped  surged with block, bailed and pumped  compressed air  bailed only  pumped only (with surging)  pumped slowly  Other  3. Time spent developing well	Before Development After Development 1002  11. Depth to Water (from top of well casing)  Date  \[ \begin{array}{llllllllllllllllllllllllllllllllllll
4. Depth of well (from top of well casising) 28.0 ft.  5. Inside diameter of well 3.75 in.	
6. Volume of water in filter pack and well casing	Fill in if drilling fluids were used and well is at solid waste facility:  14. Total suspended mg/l mg/l  15. COD mg/l mg/l  16. Screen length 10.0 ft
Additional comments on development:    1	well to casing: SEE DAVE INSELVE CASIVE instal depth to bottom  final depth to bottom  98.02
Weil developed by: Person's Name and Firm  Name: D. Dionne/D. VonBushberge  Firm: ABB-ES	Thereby certify that the above information is true and correct to the best of my knowledge.  Signature: Df. m. Bahlary Nancy E. Rofia  Firm: ABB-ES

ENVIRONMENTAL

Fucuity/Project Name	·	Weil Name			
BADGER ARMY AMUNITON ALANT		DAM-89-01			
License, Permit or Monitoring Number		Wis. Unique Weil Nu	moer DNR We	ell Number	
1. Can this well be purged dry?	□ Yes 🖪 No	11 Death to Water	Before Development	After Development	
2. Well development method surged with bailer and bailed surged with bailer and pumped surged with block and bailed surged with block and pumped surged with block, bailed and pumped compressed air bailed only pumped only pumped slowly Other	4 1 6 1 4 2 6 6 2 7 0 2 0 1 0 5 1 5 0	11. Depth to Water (from top of well casing)  Date  Time  12. Sediment in well bottom  13. Water clarity	_ 26.3   ft.          07/29   mm   d   d   y   y		
Time spent developing well     Depth of well (from top of well casisng)	_231 min.		(Describe)	(Describe)	
5. Inside diameter of well	_4.0_in				
<ul><li>6. Volume of water in filter pack and well casing</li><li>7. Volume of water removed from well</li><li>8. Volume of water added (if any)</li></ul>		Fill in if drilling fluids  14. Total suspended solids	s were used and well is a		
9. Source of water added		15. COD	mg/l	mg/l	
Analysis performed on water added?     (If yes, attach results)	☐ Yes   No	•	•	•	
Additional comments on development:	- <u> </u>				
Well developed by: Person's Name and Firm		I hereby certury that the of my knowledge.	ne acove information is t	rue and correct to the best	
Name: DANID B. DIONNE		Signature: _h//	by dyok		

Firm:

NOTE: Shaded areas are for DNR use only. See instructions for more information.

(E ENVIRONMENTAL

Fam:

BODGER ARMY AMUNICOU PLAN	T	Well Name  OMM -89-07	2_	
cicense, Permit or Monitoring Number		Wis. Unique Weil Nur		ell Number
Can this well be purged dry?  Well development method surged with bailer and bailed surged with block and bailed surged with block and bailed surged with block and pumped surged with block, bailed and pumped compressed air bailed only pumped only pumped slowly Other  Time spent developing well	Yes Z No  4 1 6 1 4 2 6 6 2 7 0 2 0 1 0 5 1 5 0 5 0	11. Depth to Water (from top of well casing)  Date  Time  12. Sediment in well bottom  13. Water clarity	1	_87.21fi 11/16/89 mm d d y y 14:002p.n
4. Depth of well (from top of well casising) 5. Inside diameter of well	777#		Brown (Dick	
5. Volume of water in filter pack and well casing  7. Volume of water removed from well  8. Volume of water added (if any)	_ <u>U                                   </u>	Fill in if drilling fluids  14. Total suspended solids	were used and well is a	
9. Source of water added		15. COD	mg/l	mg
10. Analysis performed on water added? (If yes, attach results)	☐ Yes 15 No	<u> </u>	<u> </u>	
Additional comments on development:  Well developed by: Person's Name and Firm		I hereby certify that the of my knowledge.	e above unformation is t	true and correct to the be
Name: P. David Diastors		Signature: M/M	IN Man	
Firm: LE ENURONMENTA	<u></u>	Firm: CE	EN IRON WEN	the

Facility/Project Name

## MONITORING WELL DEVELOPMENT Form 4400-113B 8-89

BADGER REMY AMUNITION PLANT	FTM-89-01
License, Permit or Monitoring Number	Wis Unique Weil Number DNR Weil Number
1. Can this well be purged dry?  2. Well development method surged with bailer and bailed surged with bailer and pumped  6 1	Before Development After Development  11. Depth to Water (from top of well casing)  Before Development After Development
surged with block and bailed	Date
3. Time spent developing well	Turbid 15 Turbid 25 (Describe) (Describe)
4. Depth of well (from top of well casising) $\underline{q}\underline{q}.\underline{S}$ ft.	
5. Inside diameter of wellin_	
6. Volume of water in filter pack and well casing	Fill in if drilling fluids were used and well is at solid waste facility:  14. Total suspended mg/l mg/l
9. Source of water added	15. COD mg/l mg/l
10. Analysis performed on water added?   (If yes, attach results)	<u> </u>
Well developed by: Person's Name and Firm  Name: Willard Dwine	I hereby certify that the above information is true and correct to the best of my knowledge.  Signature:
Firm: CE ENVIRONMENTAL	Firm: CE ENVIRONMENTAL
	L. C. IVVIION MINITAL

Weil Name

## MONITORING WELL DEVELOPMENT FORM

Facility/Project Name BAAP- USATHAMA	Well Name PBN-91-01C
License, Permit or Monitoring Number	Wis, Unsque Weil Number DNR Well Number
1. Can this well be purged dry?	Before Development After Development 101-
2. Well development method surged with bailer and bailed   4 1	(from top of well casing) _87.75 tr87.68 ft. 87.5
surged with bailer and pumped	Dane $\frac{1 \int \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}$
surged with block, bailed and pumped 7 0 compressed air 2 0 bailed only 1 0	Time 15:00 pm 10:10 pm. 10:15
pumped only (with surging) 5 1 pumped slowly 5 0 Other	12. Sediment in well inches inchés bottom  13. Water clarity Clear   10   Clear   20
3. Time spent developing well 225 min.	Turbid ☑ 15 Turbid ☐ 25 Describe) (Describe)
4. Depth of well (from top of well casising) $-87.7$ ft.	SLightly
5. Inside diameter of well4.00 in.	
6. Volume of water in filter pack and well casing	
7. Volume of water removed from well 1 3 3 8 gal.	Fill in if drilling fluids were used and well is at solid waste facility:  14. Total suspended mg/l mg/l
8. Volume of water added (if any) 335.0 gal	solids
9. Source of water added Punp House #2	15. COD mg/l mg/l
10. Analysis performed on water added?   Yes  No (If yes, attach results)	IL Screen 10.0 ft.
Additional comments on development: (w) the C 940 892 1338	stick-up: 2.45
T(°C) 11.5 11.8 12.0 12.4  oH (units) 8.0 7.9 8.4 8.0	initial depth to: 154.70
Time 1510 16.24 0355 1010	final depth to: 154.68 154.70
Well developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.
Name DAVID B-DIONNE	Signature Supra & Cate DAN
Firm: A-BB - ES	Firm: ARB-ES

1,34

## MONITORING WELL DEVELOPMENT FORM

Facility/Project Name  BAAP - WELL DEVELOPMENT	Well Name FEN-91-02B
License, Permit or Monitoring Number	Wis, Unique Weil Number DNR Weil Number
1. Can this well be purged dry?  2. Well development method surged with bailer and bailed	Before Development After Development 24 from top of well casing)  Before Development After Development 24 from top of well casing)
surged with bailer and pumped	Dame $ \frac{10}{m}, \frac{2\theta}{d}, \frac{91}{y}, \frac{10}{m}, \frac{2\theta}{d}, \frac{91}{y} $ Time $ \frac{09:00}{pm}, \frac{14:00}{2pm}, \frac{14:00}{pm} $
pumped only (with surging) pumped slowly Other  3. Time spent developing well  63 min.	12. Sediment in well inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches
4. Depth of well (from top of well cassising)  LL7. & ft.  5. Inside diameter of well  1. Depth of well (from top of well cassising)	(Describe)
6. Volume of water in filter pack and well casing 42.0 gel 7. Volume of water removed from well 210.0 gal 8. Volume of water added (if any) 00 gal	Fill in if drilling fluids were used and well is at solid waste facility:  14. Total suspended mg/l mg/l
9. Source of water added NUNE  10. Analysis performed on water added? Yes No (If yes, attach results)	15. CODmg/l
Additional comments on development 140 7/0 7/0 7/0 7/0 7/0 7/0 7/0 7/0 7/0 7/	instal depth to: 117.77  final depth to: 117.77  17. Pump used was Grand-for Redi-flo 2. up bottom  17. Pump used was Grand-for Redi-flo 2. up bottom  18. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. Redi-flo 2. up bottom  19. R
Well developed by: Person's Name and Firm  Name: B. CHILDS T. CARTER	I hereby certify that the above information is true and correct to the best of my knowledge.  Signature:   Author E- (athorism)
Firm: ABB-ES	Firm: ABB-ES

ii 3

## MONITORING WELL DEVELOPMENT FORM

Facility/Project Name BAAP- USATHAMA	Well Name PB1	1-91-02C	<del></del>	-
License, Permit or Monutoring Number	Wis. Unique Weil Numb	E DNR W	il Number	<b>-</b>
1. Can this well be purged dry?	11. Depth to Water	efore Development	After Development	24 hr.
2. Well development method surged with bailer and bailed   4 1		_21.60t	_79.60ft.	<b>79.</b> 40
surged with bailer and pumped	Date	1 ( / 22 / 9 ( m m d d y y	11/25/9/ mm dd yy	11.249
surged with block, bailed and pumped 7 0 compressed air 2 0 bailed only 1 0		<u> 10:10日pm</u> .		
pumped only (with surging) 2 5 1 pumped slowly 2 5 0	12. Sediment in well bottom	inches	inchés	•
Other	ਜ ਰ	Cerc 日 10 Surbid 夏 15 Describe)	Clear 92 20 Turbid [] 25 (Describe)	
4. Depth of well (from top of well casising) 163.6 ft.  5. Inside diameter of well				
6. Volume of water in filter pack and well	-			
casing	Fill in if drilling fluids w	ere used and well is a	at solid waste facility:	
8. Volume of water added (if any) 670.0 gal.	14. Total suspendedsolids	mg/l	mg/l	
9. Source of water added BPW 帯る	15. COD	mg/l		
10. Analysis performed on water added? Yes No (If yes, attach results)	IENGH	10.01		•
Additional comments on development:	coll to casing stick- up			-
T(°C) 11.7 13.1 11.3 10.4 oH (units) 8.1 8.0 8.3 8.4 ond. (umhas) 720 731 735 696 Time 1020 12:35 1450 1705	instial depth to bottom			
Time 1020 12:35 1450 1705	final depth to bottom	°: 163.63	. 163	3.68
Well developed by: Person's Name and Firm	I hereby certify that the a of my knowledge.	soove information is t	rue and correct to the best	<del>-</del>
Name: DAUD D. DIONNE	Signature: 2	Dione		
Firm: ABB-ES	Firm: ABB	-ES	<u> </u>	

## MONITORING WELL DEVELOPMENT FORM

Facility/Project Name US/A THAMA / BAPT	Well Name PBN-91-036
License, Permit or Monitoring Number	Wis, Unique Weil Number DNR Weil Number
1. Can this well be purged try?	Before Development After Development 24 5
2. Well development method surged with bailer and bailed  4 1	11. Depth to Water (from top of well casing)  -73.90 ft73.78 ft. 73 %
surged with bailer and pumped	Dane $\frac{10/27/91}{m m d d y y} \frac{10/27/91}{m m d d y y}$
surged with block, bailed and pumped 7 0 compressed air 2 0 bailed only 1 0	Time 10:15 pm 15:00 pm.
pumped only (with surging) \$2 5 1  pumped slowly	12. Sediment in well inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inc
3. Time spent developing well C C 5 0 min.	Turbid 25 15 Turbid 25 Describe) (Describe)
4. Depth of well (from top of well casising) 108.5 ft.	
5. Inside diameter of well	
6. Volume of water in filter pack and well casing	Fill in if drilling fluids were used and well is at solid waste facility:
7. Volume of water removed from well 204.5 gal	14. Total suspendedmg/l
8. Volume of water added (if any)	solids 15. COD med med
9. Journe of water arter	
10. Analysis performed on water added?  Yes No (If yes, attach results)	17. Pump used was Grund-for Redi-Flo ?  W brace straining doth
Additional comments on development:  10 69 136 204.5	well to casing: -0.18 21 - stick-up: 2.34
ond. (jumbos) 479 720 693 6.85	initial depth to: 1085
717	final depth to: 163.5 108.51
Well developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.
Name: L. Carter and R. Pendleton	Signature
Firm: ABB Environmental Services Inc.	Firm:

## MONITORING WELL DEVELOPMENT FORM

Facility/Project Name BAAP-USATHAMA	Well Name PBN-91-03C	
License, Permit or Monutaring Number	Wis. Unique Weil Number DNR Weil Number	
1. Can this well be purged dry?  2. Well development method	Before Development After Development  11. Depth to Water (from top of	24 hrs _ late 72.55
surged with bailer and bailed 4 1 surged with bailer and pumped 6 1 surged with block and bailed 4 2 surged with block and pumped 6 2 surged with block, bailed and pumped 7 0 compressed air 2 0	Date	
bailed only  pumped only (with surging)  pumped slowly  Other	12. Sediment in well inches inches inches inches inches 20	•
3. Time spent developing well  4. Depth of well (from top of well casising)  154.5 ft.	Turbid 15 Turbid 25 Describe)  Slig hely	
5. Inside diameter of well 400 in.		•
6. Volume of water in filter pack and well casing	Fill in if drilling fluids were used and well is at solid waste facility:  14. Total suspended mg/l mg/l  15. COD mg/l mg/l	
10. Analysis performed on water added? Yes No (If yes, attach results)	in screen io.off.	<b>-</b> , •
Additional comments on development:    1518 2279   1518 2279   1518 2279   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518   1518	stick-up: 2.4 instal depth to: 154.52 bottom final depth to: 154.55	- '4.55
Well developed by: Person's Name and Firm  Name: DAVID B. DIONNY  Firm: ABB ~ ES	I hereby certify that the above information is true and correct to the best of my knowledge.  Signature: ADD ADM OF S	<del>-</del>

# MONITORING WELL DEVELOPMENT Form 4400-113B 8-89

Can this well be purged dry?   Yes   No   No   Before Development   After Development	Scalar Army Annuality Plant		Weil Name PBM-90-0			
Well development method   Surged with bailer and pumped   6 1   Surged with block and pumped   6 2   Surged with block and pumped   6 2   Surged with block and pumped   6 2   Surged with block bailed and pumped   7 0   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Time   Compressed air   2 0   Ti	icense, Permit of Monitoring Number				DNR We	il Number
Inside diameter of well  Volume of water in filter pack and well casing  Volume of water removed from well  Volume of water removed from well  Volume of water added (if any)  Source of water added  Ves No  Inside diameter of well  Fill in if drilling fluids were used and well is at solid waste facility:  14. Total suspended solids  15. COD  Inside diameter of well  Fill in if drilling fluids were used and well is at solid waste facility:  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter of well  Inside diameter	Well development method surged with bailer and bailed surged with bailer and pumped surged with block and bailed surged with block and pumped surged with block, bailed and pumped compressed air bailed only pumped only pumped slowly Other	4 1 6 1 4 2 6 2 7 0 2 0 1 0 5 1 5 0	(from top of well casing)  Date  Time  12. Sediment in well bottom	28 8.4 09/04 m m d d  /6:00 Clear 10 Turbid 1:	2 € ft.  1 2 0 y y  2 a.m.  1 5 p.m.  inches	m m d d y y
Casing	•					
0. Analysis performed on water added?	. Volume of water removed from well	485.0 gai	14. Total suspended	s were used and	1	
	O. Analysis performed on water added?	☐ Yes ☑ No	15. COD	<b> </b> -	mg/l	mg/l
	Veil developed by: Person's Name and Firm  Vame: R. Douich Din smerre			DRO	ation is tr	ue and correct to the best
of my knowledge.	im: E.C. Joseph		Signature:	13 13 C		-

Facinity/Project Name	Well Name
Badger Army Amney Jan Plant	PBM-90-020
icense, Permit or Monitoring Number	Wis. Unique Weil Number DNR Weil Number
Can this well be purged dry?	Before Development After Development
	11. Depth to Water
Well development method	(from top of
surged with bailer and bailed 🔲 4 1	well casing)
surged with bailer and pumped   6 1	
surged with block and bailed   4 2	Date 09105190 1 1
surged with block and pumped 6 2	Date $\left  \frac{O.9}{m.m} \right  \frac{O.5}{d.d.} \frac{9.0}{y.y} = \frac{1}{m.m} \frac{1}{d.d.} \frac{1}{y.y.}$
surged with block, bailed and pumped 7 0	mam. mam.
compressed air 2 0	Time 62:00 p.m. :
bailed only 🔲 1 0	
pumped only 🙇 5 1	12. Sediment in wellinchesinches
pumped slowly	bottom
Other 🗆	13. Water clarity Clear 20 Clear 20
<del></del>	Turbid 🔲 15 Turbid 🗀 25
Time spent developing well $210 \text{ min.}$	(Describe) (Describe)
Depth of well (from top of well casisng) 207.8 ft.	
4	
Inside diameter of well	
Volume of water in filter pack and well	
casing <u>209.</u> Ogal.	
31, 5, 40 4	Fill in if drilling fluids were used and well is at solid waste facility:
Volume of water removed from well / 으 <u>4</u> <u>7</u> . <u>Q</u> gal.	
Values of rister added (if any)	14. Total suspended mg/l mg/l mg/l
Volume of water added (if any) O . O gal.	souds
Source of water added NA	15. COD mg/l mg/l
). Analysis performed on water added?   Yes  No	
(If yes, attach results)	
od::ional comments on development:	
ocidonal comments on development	
ell developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best
• •	of my knowledge.
00:00	= $D D D R D =$
ame: R. David Dinamore	Signanire: 1
- ECTI	Em: ECTada
om: I I Landi	ieum' f l .l a.cela.

# MONITORING WELL DEVELOPMENT Form 4400-113B 8-89

Borber Army Annew Lion Plant	PBM-90-030
License, Permit or Monitoring Number	Wis. Unique Weil Number DNR Weil Number
1. Can this well be purged dry?  2. Well development method surged with bailer and bailed surged with bailer and pumped surged with block and bailed surged with block and pumped surged with block and pumped surged with block, bailed and pumped compressed air bailed only pumped only pumped only pumped slowly Other  3. Time spent developing well  4. Depth of well (from top of well casisng)  2	Before Development   After Development
5. Inside diameter of well  6. Volume of water in filter pack and well casing  7. Volume of water removed from well  8. Volume of water added (if any)  9. Source of water added  10. Analysis performed on water added?  11. O S . O gal.  12. O gal.  13. D . O gal.	Fill in if drilling fluids were used and well is at solid waste facility:  14. Total suspended mg/l mg/l  solids  15. COD mg/l mg/l
Well developed by: Person's Name and Firm  Name: R. Doich Divisional  Firm: E.C. Josephen.	Thereby certify that the above information is true and correct to the best of my knowledge.  Signature: Firm: E. C. Torden

Scalar Honer Amounties	Plant	PBN-90 -	04B	
icense, Permit or Monitoring Number		PBN-90 - Wis Unique Well Nu	moer DNR We	eil Number
. Can this well be purged dry?	□ Yes 区 No	11. Depth to Water	Before Development	After Developmen
. Well development method		(from top of	_92.02ft	
surged with bailer and bailed	□ 41	well casing)		
surged with bailer and pumped	□ 61			[
surged with block and bailed	□ 4 2	Date	09106190	, ,
surged with block and pumped	□ 6 2	ļ	mm dd y y	$\frac{1}{m}\frac{1}{m}\frac{1}{d}\frac{1}{d}\frac{1}{y}$
surged with block, bailed and pumped	7 0	1	1	
compressed air	2 0	Time	08:00 p.m.	ar
bailed only	10			
pumped only		12. Sediment in well	inches	inche
pumped slowly	5 0	bottom		]
Other	_ 0	13. Water clarity	Ciear 🔲 10	Clear 20
	<u> </u>	]	Turbid Ed 15	Turbid 25
3. Time spent developing well	_ <u>1 2 0</u> min.		(Describe)	(Describe)
1. Depth of well (from top of well casisng)	122.5a			
5. Inside diameter of well	_4.0_in.			
5. Volume of water in filter pack and well				l
casing	<i>198.0</i> gal			
	200-	Fill in if drilling fluid	s were used and well is	et solid waste facility:
7. Volume of water removed from well	3 <u>990.0gal</u>		1	
B. Volume of water added (if any)	O . O gal.	14. Total suspended solids	mg/l	m
9. Source of water added		15. COD	mg/l	m
10. Analysis performed on water added? (If yes, attach results)	☐ Yes S⊒ No			
Additional comments on development:				
Veil developed by: Person's Name and Fin	n	I hereby certify that to of my knowledge.	he above information is	true and correct to the b
vame: R. Devid Dinsmore	•	Signature:	of Be	
			^	
im: E. C. Jordan		Firm: E.C	. Jordan	

Pacinity/Project Name	Weil Name
Befor Home Amounilion Plant	PBM-90-0410
Licensé, Permit of Monitoring Number	Wis. Unique Weil Number DNR Weil Number
I. Can this well be purged dry?	Before Development After Development
2. Weil development method  surged with bailer and bailed	(from top of well casing)  92.04 ft
surged with block and bailed 4 2 surged with block and pumped 6 2 surged with block, bailed and pumped 7 0	Date 08/28/90 mm d d d y y
compressed air 2 0 bailed only 1 0	Time 14:00 p.m::: p.m.
pumped only pumped slowly  5 1	12. Sediment in well inches inches inches
Other	13. Water clarity Clear 10 Clear 20 Turbid 15 Turbid 25 Describe) Describe)
	(Describe)
4. Depth of well (from top of well casising) 220.1ft.  5. Inside diameter of well	
6. Volume of water in filter pack and well	
casing 3.19.2.0 gal.	Fill in if drilling fluids were used and well is at solid waste facility:
7. Volume of water removed from well 10,685. Ogal	14. Total suspended mg/l mg/l
8. Volume of water added (if any)gai.	solids
9. Source of water added	15. COD mg/l mg/l
10. Analysis performed on water added?   ☐ Yes ☐ No  ☐ yes, attach results)	
Accilianal comments on development	
veil developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.
Varne: R. Devid Dinsmore	Signature: PULBU
irm: E.C. Torden	Firm: E.C. Jordan

Facility/Project Name BAAP — USATHAMA	Well Name Su	IN-91-01 B	
License, Permit or Monitoring Number		mber DNR We	
1. Can this well be purged dry?		Before Development	After Development
?. Well development method	11. Depth to Water (from top of	_78.67 a	24
surged with bailer and bailed 4 1	well casing)		
surged with bailer and pumped   6 1	i		
surged with block and bailed 4 2	Date	10,18,91	10,19,91
surged with block and pumped   6 2	1	15, 18, 91	10119191 mm d d y y 10.
surged with block, bailed and pumped 7 0			
compressed air 2 0	Time	-9:15 mam.	12:00 pm 18
bailed only	1		
pumped only (with surging) 5 1	12. Sediment in well	inches	inchés
pumped slowly	bottom		
Other 🗆 🗀	13. Water clarity	Cer 10	Clear 20
(10HD)54 0+(10H)		Turbid 12 15	Turbid 25
3. Time spent developing well min.		(Describe)	(Describe)
4. Depth of well (from top of well casising) 115.2 ft.		_cloudy_	
4. Depth of well (from top of well casising) 113. Aft.			<del></del>
4. Depth of well (from top of well casising) 113.1 895  5. Inside diameter of well			
	Ì		
5. Volume of water in filter pack and well			
casing			
(m·n) + (m·n)	Fill in if drilling fluids	were used and well is a	t solid waste facility:
7. Volume of water removed from well 2833.0 gal	1	<b>!</b>	•
	14. Total suspended	mg/l	mg/l
8. Volume of water added (if any) 700.0 gal.	solids		
(during drilling)			
9. Source of water added BAAP production well	15. COD	mg/	mg/l
#み		į	turn occi f
10. Analysis performed on water added?   Yes   No	IL SCIED!	1 10.0 ft.	calculations
10. Analysis performed on water added?   Yes  No  (If yes, attach results)	lengm	•••	+ notes
·	17. Pump used	was annotos	Redi-Flo 2
Additional comments on development	untl to casi	ng:20	20
The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	stick- u	p): 2.2±	2.25±
	instial depth	_	
(units) 7.5 7.0 7.4 6.4		115.19	
nd. (jumhos) 605 600 735 633 from		<b>.</b>	16.
me 0950 1530 gio45 1700	Trues depin	T: 115.30	115.16 (fine sound i
ंग packe (1851) ८९८७ फर्म्स	+No Collar	باعد:	- (,
Well developed by: Person's Name and Firm	I hereby certify that the	Albove information is t	rue and correct to the best
•	of my knowledge.		
Name: V Miller/ N. Roka	Signature:	Mana = =	Rotia
Name: V MITTER / N. ROICOL	- Granner	Mancy E.	with
	1_	222 47	
Firm: ABB-ES	Firm:	ABB-ES	

- started pumping at 0130. Pump (ate at 2.5 ga)/min. at 329 Hz. (Top of Hw Oolumn)
- (1030) Lowered to pump to bottom of well and continued surging. No visible silt,
- (1045-1100) fump slowing, with surging we increased pump rate and brought up quite a bit
of brown sitt, Continued surging frequently until H20 cleared, purop rate remained
at 8.5+ gal/min.
- (1230) Pump rate still 2.5+ gpm
- (1230) Pump rate still 2.5+ gpm
- (1230) Stormal Filming Control (almost dauk). Pumped finished at Just wider 259min at 335 Hz.

## MONITORING WELL DEVELOPMENT FORM

Facility/Project Name BAAP- USATHAMA	Well Name SWN-91-01 C.
License, Permit or Monitoring Number	Wis, Unique Weil Number DNR Weil Number
1. Can this well be purged dry?	Before Development After Development After
2. Well development method surged with bailer and bailed	11. Depth to Water (from top of well casing)  - 79.43 ft 79.47 ft 76 F
surged with block and bailed	Date $\frac{10}{m m}, \frac{22}{d d}, \frac{91}{y y}, \frac{10}{m m}, \frac{23}{d d}, \frac{91}{y y}, \frac{10.7}{y y}, \frac{91}{y y}$ Time $\frac{1}{2}, \frac{35}{2}, \frac{91}{2}, \frac{10.7}{m m}, \frac{33}{d d}, \frac{91}{y y}, \frac{10.7}{y y}, \frac{91}{2}, \frac{10.7}{2}, \frac{91}{2}, \frac{10.7}{2}, \frac{91}{2}, \frac{10.7}{2}, \frac{91}{2}, \frac{10.7}{2}, \frac{91}{2}, \frac{10.7}{2}, \frac{91}{2}, \frac{10.7}{2}, \frac{91}{2}, \frac{10.7}{2}, \frac{91}{2}, \frac{10.7}{2}, \frac{91}{2}, \frac{10.7}{2}, \frac{91}{2}, \frac{10.7}{2}, \frac{91}{2}, \frac{10.7}{2}, \frac{91}{2}, \frac{10.7}{2}, \frac{91}{2}, \frac{10.7}{2}, \frac{91}{2}, \frac{10.7}{2}, \frac{91}{2}, \frac{10.7}{2}, \frac{91}{2}, \frac{10.7}{2}, \frac{91}{2}, \frac{10.7}{2}, \frac{91}{2}, \frac{10.7}{2}, \frac{91}{2}, \frac{10.7}{2}, \frac{91}{2}, \frac{10.7}{2}, \frac{91}{2}, \frac{10.7}{2}, \frac{91}{2}, \frac{10.7}{2}, \frac{91}{2}, \frac{10.7}{2}, \frac{91}{2}, \frac{10.7}{2}, \frac{91}{2}, \frac{10.7}{2}, \frac{91}{2}, \frac{91}{2}, \frac{10.7}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac{91}{2}, \frac$
compressed air  bailed only  pumped only (with surging)  5 1	Time
pumped slowly	13. Water clarity Clear 10 Clear 20 Turbid 25
3. Time spent developing well 1125 min.	(Describe) (Describe)
4. Depth of well (from top of well casising) 1.60.2 ft.  5. Inside diameter of well3 in.	
6. Volume of water in filter pack and well	
7. Volume of water removed from well 3375. Q gal.	Fill in if drilling fluids were used and well is at solid waste facility:
8. Volume of water added (if any) <u>i O D C . O gai</u>	14. Total suspended mg/l mg/l solids
9. Source of water added RPW #2	15. COD mg/l
10. Analysis performed on water added? Z Yes No (If yes, anach results)	length 10.0 ft.
	17. Grand Re Reti. Flo that pump w/ a brass straining cloth used for development. 318"15
(°C) (2.1 12.7 12.1 12.8	well to casing:0909 stick-up: a.7= a.7=
md. (jumhas) 383 567 633 654	initial depth to: 160.18
ime 0745 1400 0835 1450 ode 10.22.91 10.23.91 10.23.91	final depth to: 160,15 160.20  * No collar on well yet
Weil developed by: Person's Name and Firm	I hereby cerufy that the above information is true and correct to the best of my knowledge.
Name: N Roka/ V. Miller	Signature Manay E. Roka
Firm: <u> </u>	Firm: ABB-ES

(0945) Pump on a running at 3 gpm. Top of Hzu column (0920) Lowered to bottom of well a surged for 1/2 hr. Skaktly turbid surged to cloudy. Hzo NOTE: Shadd was as for DNR secondy. See instructions for more information, appeared effernesseent. Bumping 34 gpm. (1040) Surged. No sit. Hzo still very effernesseent. 34 gpm. (1535) Surged- No sit- very effernesseent. 34 gpm. (1845) Had surged few more times. Shut down pump after 11 hrs. and 1980 gal. (1845) Had surged few more times. Shut down pump after 11 hrs. and 1980 gal.

Facility/Project Name US & THAMA / BARAF	Well Name SWN - 90 - 01 D
License, Permit or Monitoring Number	Wis. Unique Weil Number DNR Well Number
1. Can this well be purged dry?	Before Development After Development
2. Well development method	(from top of _ 78.12 ft 79.04 ft.7
surged with bailer and bailed	Date
3. Time spent developing well \(\mu \L \frac{3}{2} \text{min.}\)	Describe) (Describe)
4. Depth of well (from top of well casising) 200. 24.  5. Inside diameter of well	
6. Volume of water in filter pack and well casing  7. Volume of water removed from well  8. Volume of water added (if any)  7. D. Q. D. gal.	Fill in if drilling fluids were used and well is at solid waste facility:  14. Total suspended mg/l mg/l
9. Source of water added BPW - 2	15. COD mg/l
10. Analysis performed on water added?	10 ft length  17. Grandfor Redi-flo pump wibrass straining  class used for direction and
Additional comments on development.  ### 1883 3764 5650  (°C) 13.1 10.7 10.2 10.2	well to casing: .18 stick- up: z.3
(units) 7.7 7.60 7.55 7.55 nd. (unhas) 456 683 701 6.65	instal depth to: 200.69
int 1410 ,200 1100 1700  That :0/24/91 10/25/91 10/26/94	final depth to 200.63 200.62
Well developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.
Name BILL CHILDS or LAURA CARTER	Signature Wili Will
Firm: ABB-ES	Firm: ABB-ES
(1400) Pump on and lunning at 45 5pm top NOTE: Shaded sress are for DNR use only. See instructions for more is 1430) Concred pump to bottom of well and 1700) Shut pump aff for day 0945) Restart pump how 1562: 25 5cm	of 420 Column 10/26/11 STARTED PUMP @ 1783 c information. Surged until clear SAMPLES @ 1100 - 1700 FIVER UCA SAMPLES @ 1785 SHUT OFF PUMP @ 1785

#### MONITORING WELL DEVELOPMENT FORM

BAFIP - USATHPMA	Well Name SU	N- 91-22C		•
cense, Permit or Monutaring Number	Wis, Unique Weil Number DNR Well Number			-
Can this well be purged dry?	11. Depth to Water	Before Development	After Development	<u>:</u> * 24 - iæl
Well development method  surged with bailer and bailed  surged with bailer and pumped  G 6 1	(from top of well casing)	<u>82.66</u> n	_ <u>82.70</u> n	8:
surged with block and bailed 4 2 surged with block and pumped 6 2 surged with block, bailed and pumped 7 0	Date	1	11/19/91 mm d d y y	
compressed air 2 0 bailed only 1 0	Time	: 10 p.m.	16:00 p.m.	/6:nc
pumped only (with surging) 25 1 pumped slowly	bottom 13. Water clarity	Clear 10 Turbid 15	Cer 20	
Time spent developing well (Rapine)390 min.		Describe)	Turbid 25 (Describe)	
Depth of well (from top of well casising) $157.6$ ft.  Inside diameter of well $400$ in.				
Volume of water in filter pack and well 66.0 casing				
Volume of water removed from well 1530.0gal		s were used and well is		
Volume of water added (if any)	14. Total suspended solids	mg/	_	
Source of water added	IS. COD	mg/l		
Analysis performed on water added?   [] Yes   No (If yes, attach results)	length	1 10.0 <del>17</del> .	•	-, -,, -
ditional comments on divelopments	well to case stick- u	ing: 0.23 -		- - o.:
(units) 7.79 7.59 7.30 7.5 (units) 659 660 662 661	instial depth bottom	1.50		
d. (jumbos) 659   660   662   661 M. 9:10   11:20   13:30   13:40 Add 20 min for downly and fight	final depth bottom	to: 1546	. **	१५५.इ
eil developed by: Person's Name and Firm	I hereby certify that to of my knowledge.	he above information is	true and correct to the best	TH Clai
ame: Licater + J. Jacobson	Signature:	2 Inchange		ter ter
irm: 48B-1=3	. Firm: A	88-ES		_

#### MONITORING WELL DEVELOPMENT FORM

Facility/Project Name BAAP - US FITHAMA	Weil Name SWN-91-02D
License, Permit or Monitoring Number	Wis, Unique Weil Number DNR Well Number
1. Can this well be purged dry?	11. Depth to Water  Before Development After Development
2. Well development method  surged with bailer and bailed  surged with bailer and pumped  G 6 1	(from top of well casing) = \$\frac{2}{2} \cdot \frac{9}{2} \tau \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} \cdot \f
surged with block and bailed 4 2 surged with block and pumped 6 2	Dase $\frac{1}{m} \frac{1}{m} \frac{20}{d} \frac{91}{y} \frac{1}{y} \frac{1}{m} \frac{1}{m} \frac{21}{d} \frac{91}{y} \frac{1}{y} \frac{1}{y} \frac{1}{y}$
surged with block, bailed and pumped 7 0 compressed air 2 0 bailed only 1 0	Time 10:20 p.m. 14:04 p.m. 14:00
pumped only (with surging) 5 1 pumped slowly 5 0 Other	12. Sediment in well inches inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés inchés
3. Time spent developing well	Turbid 15 Turbid 25 Describe) Puna classes
4. Depth of well (from up of well casising) 127. 4ft.  5. Inside diameter of well 4.00 in.	Puma chaises with fine sond that to disagent
6. Volume of water in filter pack and well casing 98.3	was dear.
7. Volume of water removed from well 2 997.0 gal.	Fill in if drilling fluids were used and well is at solid waste facility:
8. Volume of water added (if any)  Darring Tarkellander of Page 1	14. Total suspended mg/l mg/l solids
9. Source of water added BF,F.P PW#2	15. COD mg/l ng/l
10. Analysis performed on water added? Yes No (If yes, attach results)	length 10.0ff.
Additional comments on development 1998 - 2997  T (°C) 10.6 10.9 49 10.3	well to casing: -0.17
pH (units) 8,2 8.2 8.27 8.24 cond. (umhas) 522 605 594 598	initial depth to: 187.36
Time 10:20 19:30	final depth to: 187.10 187.10
Well developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.
Name: L. Carter of J. Jacobson	Signature: RD. Jacks
Firm: ABB-ES	Form: <u>ARR-&amp;-</u> 5

NOTE: Shaded areas are for DNR use only. See instructions for more information.

Stopped pumping 4 16:45 (also general or of gas) Storbel Pumping eyan & 820 am

Run time 6:25 or 385 min. 44 apm = 1540 apm fumped on 11/20

1941-1-1540 a 480 gallors c. 460 gally4 apm = 1 hr 54 min until next simple (8:60 + 140 54 min) = 9:54 am

## MONITORING WELL DEVELOPMENT FORM

Facility/Project Name BAAP - USATHAM:A	Weil Name		
License, Permit or Monutaring Number	SWN -9 Wis: Unique Weil Numb	DNR We	il Number
1. Can this well be purged dry?	11. Depth to Water	Before Development	After Development Zu d
2. Well development method  surged with bailer and bailed  surged with bailer and pumped  6 1	(from top of well casing)	_84.67a	_84.52ft 8's
surged with block and bailed	Date	11,07,91 mm d d y y	
compressed air 2 0 bailed only 1 0	Time	09:00 p.m. 1830 inches	Ol: 02 pm. No Q
pumped only (with surging) 5 1 pumped slowly 5 0 Other	bottom 13. Water clarity (	Cear To 10 Turbid D 15	Clear 12/20 Turbid 12 25
3. Time spent developing well	l l		(Describe)
4. Depth of well (from top of well casising) 115.5ft			
5. Inside diameter of well			
6. Volume of water in filter pack and well casing 45.6 gal.	Fill in if drilling fluids v		
7. Volume of water removed from well 1730.0gal	1		
8. Volume of water added (if any) 500.0 gal.	14. Total suspended solids	mg/l	mg/l
9. Source of water added BAAP provid. Will #2	15. COD	mg/l	mg1
10. Analysis performed on water added? Yes No	I the screen length	10.0A.	
(If yes, anach results)	n. Pump used	was Gnorth	Redi-Flo 2 .
Additional comments on development: 09:47 13:6712	well to casin	9: 0.08	0.10
T(°C) 9.2 9.5 9.6 9.9 pH (units) 7.79 7 12 7.52 7.83 cond. (umhos) 671 460 669	initial depth t	115,54	
11:15 -1:35 17:55 3:20 ADV  11:15 -1:35 17:55 3:20 ADV  14:40 -> Books down @ 16:30	fMin ∢	•	115.35
Well developed by: Person's Name and Firm	I hereby certify that the of my knowledge.	above information is	true and contract to the best
Name D. Dionne/D. Von Bushberger		in Johlog	Nancy E. Rof.
Firm: ABB-ES	Firm:	ABB-ES	<u> </u>

NOTE: Shaded seems are for DNR use only. See instructions for more information.

**No final observational sample collected - H20 was clear

#### MONITORING WELL DEVELOPMENT FORM

Facility/Project Name  BAN  P	Weil Name
License, Permit or Monutoring Number	SWN-91-03 C Wis. Unique Weil Number DNR Weil Number
1. Can this well be purged dry?	Before Development After Development 244
2. Well development method surged with bailer and bailed 4 1	(from top of well casing) 84.57 ft. 84.50 ft. 84.5
surged with bailer and pumped	Date $\frac{1}{m} \frac{1}{m} \frac{1}{d} \frac{9}{d} \frac{9}{y} \frac{1}{y} \frac{1}{m} \frac{1}{m} \frac{9}{d} \frac{9}{d} \frac{1}{y} \frac{1}{y} \frac{1}{y}$
surged with block, bailed and pumped 7 0 compressed air 2 0 bailed only 1 0	Time 8:20 pm 17:00 pm 16:4
pumped only (with surging) 5 1 pumped slowly	12. Sediment in well inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches
3. Time spent developing wellmin.	Turbid 15 Turbid 25 Describe) (Describe)
4. Depth of well (from top of well casising) 165.3 ft.	
5. Inside diameter of well	
6. Volume of water in filter pack and well casing 288gal.	Fill in if drilling fluids were used and well is at solid waste facility:
7. Volume of water removed from well 8488. Ogal. 8. Volume of water added (if any)	14. Total suspended mg/l mg/l
9. Source of water added	15. COD mg/l
10. Analysis performed on water added? N/A  Yes  No (If yes, attach results)	in screen 10 ft.
Additional comments on development: 11/11 16:36 -8488 (°C) 8A 5.8 9.8 10.3 7	well to casing: - 0.01 -0.00 stick- up: 2'
1 (°C) 8A 8.8 9.8 10.3 H (units) 7.78 8.01 7.41 7.87 and. (umhas) 4.26 442 416 433	initial depth to: 165.34
· · · · · · · · · · · · · · · · · · ·	final depth to: 165.40 165.40
Weil developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.
Name: J. JACOBSON + L. CARTER	Signature: Jame E. Cate
Firm: ABB-ES	Firm: ABB-ES

NOTE: Shaded areas are for DNR use only. See instructions for more information.

3e- an pumping 11/4/41 @ 08:30 · Took samples (Voc.) effer 5 volumes from top

F) w rele = 3gpm of water column. @ 10:40

Time to remove Ivol = 76 min.

1. The Cart

#### MONITORING WELL DEVELOPMENT FORM

Facility/Project Name	Well Name SWN - 91 - 03D
USA THAMA - BAAP License, Permit or Monitoring Number	Wis Unique Weil Number DNR Well Number
Figures' Letting of Moramania Common	
1. Can this well be purged dry?	Before Development After Development  11. Depth to Water 615
2 W-11 development method	11. Depth to Water (from top of
2. Well development method surged with bailer and bailed 4 1	well casing)
Surged with bailer and bailed	
surged with block and bailed 4 2	Dane 11,07,91 11,05,91 11,091
surged with block and pumped	Date $\frac{11}{m m}, \frac{07}{d d}, \frac{91}{y y} = \frac{11}{m m}, \frac{3}{d d}, \frac{91}{y y} = \frac{11.91}{y y}$
surged with block, bailed and pumped 7 0	
compressed air	Time 09:26 pm 16:45 pm 1645
bailed only	
pumped only (with sunging) of 5 1	12. Sediment in well inches inches
pumped slowly	bottom
Other □	13. Water clarity Cest 10 . Clear 12 20
	Turbid 15 Turbid 25
3. Time spent developing well min.	(Describe) (Describe)
4. Depth of well (from top of well casising) 210.4ft	
5. Inside diameter of well	
6. Volume of water in filter pack and well	
casing <b>561.4</b> gal.	
	Fill in if drilling fluids were used and well is at solid waste facility:
7. Volume of water removed from well 264.4gal.	
748 4	14. Total suspended mg/l mg/l
8. Volume of water added (if any) 700.0 gal.	solids
9. Source of water added BAAP PW#2-	15, COD me/l me/l
9. Source of water added BFAP PLU # 3-	15. COD mg/l mg/l
10. Analysis performed on water added? Yes No	length 10 ft
10. Analysis performed on water socied?  (If yes, attach results)	
(11 yes, and 1 1000)	17. Pump used was Grund-For Redi-Fic 2 .
Additional comments on development: 11/8 12:30 4:30	
11/7 564.4 1264.4 1964.4 2664	well to casing: flush (from rock bed)
T(°C) 9.0 8.7 9.6 9.3	since up.
pH (units) 7.24 7.23 7.94 7.94	instal depth to: 210.41 ft
T(°C) 9.6 8.7 9.6 9.3 pH (units) 7.24 7.23 7.94 7.94 cond. (jumhos) 532 528 536 524	
piki. y	final depth to: 210.45 alayy
	pottom
Weil developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.
Name: P.OWEN & L. CARTER	Signature: Lune & Cite
_	
Firm: <u>ABB-ES</u>	Firm: ABB-ES

NOTE: Shaded areas are for DNR use only. See instructions for more information.

##GAN PUMPING 11/7/91 09:26

E. M. PATE & 3 200

FLOW EATE & 3 gpm TIME TO REMOVE | VOLUME = 37 MIN. TOOK SAMPLES (VOC) AFTER SVOLUMES WERE REMOVED (12:35), LOWERD PUMP + SURGED. REMOVED 2100 pl. @ 30 pm.

11.6 Yours to complete.

11/8/91 STARTED PUMP AT \$ 30 SAMPLED

# MONITORING WELL DEVELOPMENT FORM

Facility/Project Name BAAP- USATHAMA	Well Name SWN-91-03E				
License, Permit or Monitoring Number	Wis. Umque Weil Number DNR Well Number				
1. Can this well be purged dry?  2. Well development method  surged with bailer and bailed  surged with bailer and pumped  surged with block and bailed  surged with block and bailed  surged with block and pumped  surged with block, bailed and pumped  compressed air  bailed only  pumped only (with surging)  pumped slowly  Other  3. Time spent developing well  4. Depth of well (from top of well casisng)  5. Inside diameter of well  6. Volume of water in filter pack and well  casing  7. Volume of water removed from well  3. Volume of water added (if any)  9. Source of water added  FPU#3  10. Analysis performed on water added?  (If yes, attach results)	Before Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Development  After Develo	r/13f			
Additional comments on development:    (°C)		5			

NOTE: Shaded areas are for DNR use only. See instructions for more information.

, in . . .

## MONITORING WELL DEVELOPMENT FORM

Facility/Project Name BA	Well Name SWN-91-04C			
License, Permut or Monutoring Numb		Wis. Unique Well Nu	mber DNR We	il Number
1. Can this well be purged dry?  2. Well development method surged with bailer and bailed surged with bailer and pumped	☐ Yes 127 No	11. Depth to Water	Before Development	After Development lo
2. Well development method	<b>-</b>	(from top of well casing)	_84.28 ft	494.39 ft 85
surged with bailer and bailed  surged with bailer and pumped	□ 41 □ 61			
surged with block and bailed surged with block and pumped	0 4 2 0 6 2	Date	$\frac{1}{m}\frac{1}{m}\frac{1}{d}\frac{2}{d}\frac{1}{y}\frac{9}{y}$	11/22/9/11/:
surged with block, bailed and p	20	Time	15.00 Pm	12:03 pm./22
bailed only (with surg		12. Sediment in well bottom	inches	inchés
pumped slowly Other		13. Water clarity	Cer 🗆 10	Clear X 20
3. Time spent developing well	343 min.			Turbid [] 25 (Describe)
4. Depth of well (from top of well car	sisng) <u>165.5</u> ft		small enot	
5. Inside diameter of well	_4.00in		shigh My	
6. Volume of water in filter pack and			after a few	
casing	_73.1gd	Fill in if drilling fluids	minutes of punping as well is a	•
7. Volume of water removed from we	II 2 <u>3 7 5 .0 gal</u> 670.0  M335.0gal	14. Total suspended	mg/l	mg/l
38. Volume of water added (if any)	33500 per Many 1 BPW # 2 683	solids		
9. Source of water added  10. Analysis performed on water adde	BI W TI ST	4	? C	mg/l
		length	io. oft	<b>4</b> .
	20 gp 914 gp			<u> </u>
Additional comments on development	2 1583 2375 H	coll to casil stick- u		-0,27
pH (units) 8,15 8.1		initial depth	-	
cond. (jumbos) 546 62 11 Me 13:00 62 ple every 345 18:44 (1/21) (1/2	10 10 12 12 13 12 13 12 13 13 13 13 13 13 13 13 13 13 13 13 13	final depth	to. 165,48	. 165.48
Well developed by: Person's Name as	nd Firm	I hereby certify that the of my knowledge.	se above information is t	rue and correct to the best
Name: RD Jacobson		Signature:	Darlon	
Firm: ARR-135		Firm:	ABB-ES	

NOTE: Shaded sress are for DNR use only. See instructions for more information. (1) Started Purpling @ 15:00@ 4g pine

2) Storted purpling again 1420 8:05. 20 sample will be taken @ 702744 42074)

Total of 2375 jul will require the Sun 2374 1:33 - 9:30 544 down@ 16:45 1421

2500 4g pine

37294 37494 3749 2009 2009 3420 pm + 100 gpn = 580 fm total purpling of 100 miles 420

#### MONITORING WELL DEVELOPMENT FORM

Facility/Project Name BAAP - USATHAMA	Well Name SWN-91-04D
License, Permit or Monitoring Number	Wis, Unique Weil Number DNR Weil Number
1. Can this well be purged dry?	Before Development After Development   11. Depth to Water
2. Well development method surged with bailer and bailed 4 1	(from top of well casing)  -84.60 ft.  -84.60 ft.  -84.60 ft.
surged with bailer and pumped	Date $\frac{1}{m} \frac{(1 + \frac{22}{d})}{d} \frac{91}{y} \frac{1}{y} \frac{1}{m} \frac{23}{d} \frac{91}{y} \frac{11 \cdot 24 \cdot 4}{y}$
surged with block, bailed and pumped 7 0 compressed air 2 0 bailed only 1 0	Time 12:15 8 pm 16:3 8 pm 1600
bailed only  pumped only (with surging)  pumped slowly  D  5 0	12. Sediment in well inches inchés
Other   Compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the	13. Water clarity Clear 10 Clear 20 Turbid 25 Turbid 25
3. Time spent developing well	Describe)  Stightly Cloudy  Cleans after
4. Depth of well (from top of well casising)  111.2 ft.  5. Inside diameter of well  4. QQ in.	a Sem
6. Volume of water in filter pack and well casing	on piging
7. Volume of water removed from well 2 982. Ogal.	Fill in if drilling fluids were used and well is at solid waste facility:
8. Volume of water added (if any) <u>\$35.0</u> gal.	14. Total suspended mg/l mg/l solids
9. Source of water added BPW #2	15. COD mg/l mg/l
10. Analysis performed on water added?	in screen 10.0A.
Additional comments on developments Collons O 994 1988 2982	stick-up: 120
T(°C) 12.7 10.9 10.4 10.9 11.1 10.1 10.1 10.1 10.1 10.1 10.1	stick-up: 120 instal depth to: 19252 bottom
Find. (mmhos) 528 577 444 555 Time 12:15 16:24 12:22 16:31 4 hrs 4 min bolom 2007 has (11-23) (11-23)	final depth to: 199.53 199.53
Well developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.
Name: J. Jacobson	Signature: 20, Jack
Firm: ABB-ES	Furn: <u>A\$8-E\$</u>

NOTE: Shaded sress are for DNR use only. See instructions for more information.

Started propriate 12:15 (1/122)@ 4gpn.

Total propriation with a 746 montes (12 hrs 26 mindes) Striped Propriate 16:50 for total

Started propriate Propriate 16:50 for total

Sha D 198 just - 1100 gal = 886 gpm. 888/44m = 222 min or 3ms 42 min + 8:40 = 12:22

#### MONITORING WELL DEVELOPMENT FORM

Facility/Project Name RAAF — USATHAMA	Well Name SW	N-91-05B	
License, Permit or Monitoring Number	Wis. Unique Weil Nu	DNR We	il Number
. Can this well be purged dry?	11. Depth to Water	Before Development	
Surged with bailer and bailed 4 1	(from top of weil casing)	_85.31 fc	85.31 ft 85
surged with bailer and pumped 6 1 surged with block and bailed 4 2 surged with block and pumped 6 2	Date	10,17,91 mm dd yy	10/17/91 17 mm/dd/yy bod
surged with block, bailed and pumped 7 0 compressed air 2 0 bailed only 1 0	Time		_7:15 pm.
pumped only (with surging) \$ 5 1 pumped slowly \$ 5 0 Other	12. Sediment in well bottom 13. Water clarity	Cer 10	Clear 12 20
3. Time spent developing weil660 min.		Turbid gg 15 Describe)	Turbid 25 (Describe)
4. Depth of well (from top of well casising) 115.4 ft.  5. Inside diameter of well 23 is ft.			
5. Volume of water in filter pack and well casing33 . 3 gal.			
7. Volume of water removed from well 1660.0 gal	14. Total suspended	s were used and well is a	t solid waste facility:
3. Volume of water added (if any).  (during instruction)  3. Source of water added BAAP production well #6	solids	mg/l	mg/l
0. Analysis performed on water added? WYes No	16. Screen	10.0ft.	: 
(If yes, attach results)		for co	orn over Deulations
Additional comments on development 1620 1915  1640 1841 1850 001 1235 300 1660  (°C) 18.1 12.9 13.9 13.1  (units) 72 7.2 7.4 7.1	well to case stick- u instial depth	b): 8.6± 3	.6±
-country volume up to 110 and. Then started timing at 0950 of @ 3 gal./min. (max functioning \$ \$300 Hz)	final depth	/	US.43
(max functioning = 300 Hz) Well developed by: Person's Name and Firm		ne acove information is to	tue and correct to the best
Name: Nancu Roka/Vicki Miller	of my knowledge. Signature:	Nancy E	Roka
Firm: HBB-ES	Firm:	ABB-ES	
(130) Still pumping 3 gal/mir At this to	we men bar	rped 412 apl.	

(150) Still function 3 gal/min. (act it Hz or will over look convenient pump.

NOTE: Shaded seed are for DNR does only. See instructions for more information.

(1621) Rump Still purguing at 2.5 cal/min. We've pumped 1235 gal.

(1815) Plump Still purguing at 2.5 cal/min. Tred. = 326 Hz.

(1815) Plump Still purguing at 2.5 cal/min. Tred. = 326 Hz.

111 - Grand-fos Redi: Flo 2 w/ Grand Straining cloth and 3/8*10 tubing

## MONITORING WELL DEVELOPMENT FORM

	H			
Facility/Project Name SUN-91-05C	Well Name BAAP	- USATHAN	`. <del>/</del>	-
License, Permit or Monitoring Number	Wis. Unique Weil Numb	DNR W	il Number	
1. Can this well be purged dry?		Before Development	After Development	24 hs jakr
2. Well development method surged with bailer and bailed 4 1	11. Depth to Water (from top of well casing)	_85.56r	_ <u>85.45</u> ft	85.59
surged with bailer and pumped 6 1  surged with block and bailed 4 2  surged with block and pumped 6 2			<u>iD</u> /21/91 mm ddyy	10-22-9
surged with block, bailed and pumped 7 0 compressed air 2 0 bailed only 1 0		7 <b>1</b> :37 <b>2</b> pm.	_4:20 Up.m.	1730
pumped only (with surging)	12. Sediment in well bottom 13. Water clarity	inches	inchés Clear 20	-
3. Time spent developing well	τ	Turbid 11 15 Describe) Closectu	Turbid 25 (Describe)	
4. Depth of well (from top of well casising) 149.1 ft.	:	<u> </u>		
5. Inside diameter of well3 3 jn. ft.				
6. Volume of water in filter pack and well casing	1:			
7. Volume of water removed from well 3300. Ogal.	Fill in if drilling fluids w	vere used and well is a	ut solid waste facility:	
8. Volume of water added (if any) 1000. gal.	14. Total suspended solids	mg/l	mg/l	
9. Source of water added FFU #2	15. COD	mg/l	mg/l	
10. Analysis performed on water added? Yes No	IL Screen length	10.0 ft.		<b>-</b> , -,,
(If yes, anach results)	17. Used Grum prase	1-for Redir Flo	ing fung wiver	urtaice:
Additional comments on development: 2160 (°C) (ritial 1329 23-16/2) -3300  (°C) (11.16 12 12.5 13.8  H (units) 7.66 6.7 7.2 7.6	well to casing stick-up	J: a.4±	-D7 2.4±	tubing
and, (jumbos) 413 1 633 1 627 1 681	instal depth to	: 149.10 (VM)		
Time 0.752 1515 1620 1620 1620 1620 1620 1620 1620 1620	final depth to	19149.12 ollar ya	· 149.09 H	
Well developed by: Person's Name and Firm	I hereby certify that the of my knowledge.	above information is t	rue and correct to the best	<b>-</b>
Name: N. ROKA/ V. Miller	Signature:	Vancy E.	Rolla	
Firm: ABB-ES	Firm:	ABB-ES		very
(0820) Pumper out Standing H20 : Love NOTE; Shad and String Note; Standing H20 : Love NOTE; Shad and String And Sapra M	t top or Had coin	oma ottom well. Su read to the of a	urged for at 1/2	hour
(1150) Pump Still running at 3 gpm m	on sunding.	o site and	ne clossing (silty)	)#¥⊃ ∞

# MONITORING WELL DEVELOPMENT FORM

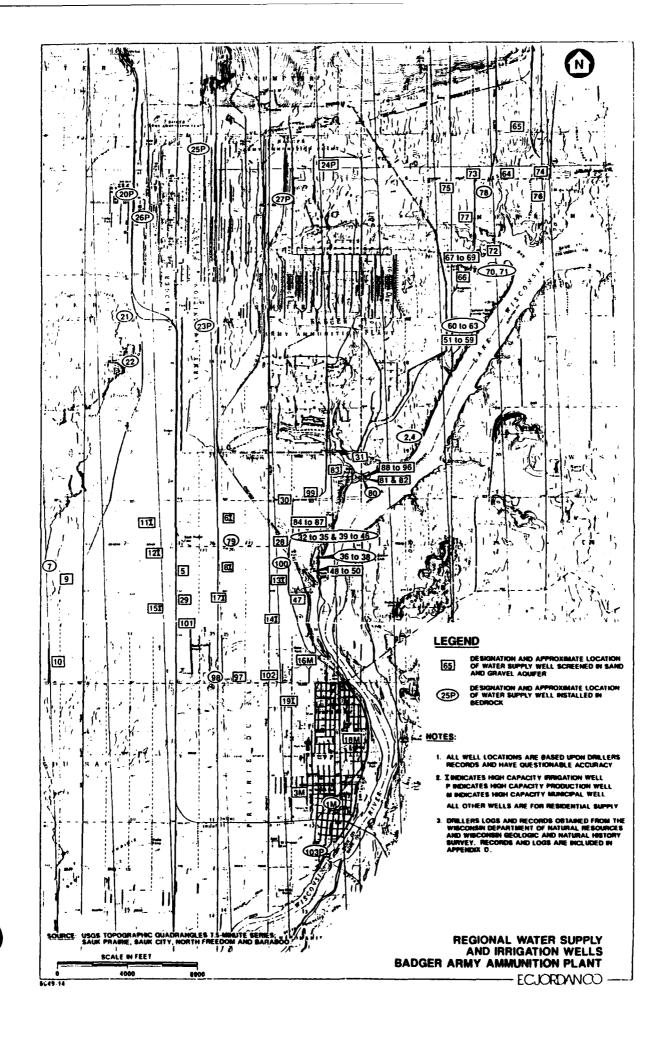
Facility/Project Name USATHAMA / BAAP	SWN-91-05D					
License, Permit or Monitoring Number	Wie, Unique Weil Number DNR Weil Number					
1. Can this well be purged dry?  2. Well development method surged with bailer and bailed surged with baller and pumped surged with block and pumped surged with block and pumped surged with block and pumped surged with block bailed and pumped compressed air bailed only pumped only (with surging) pumped only (with surging) The spent developing well  2. 2. 5. Inside diameter of well  6. Volume of water in filter pack and well casing	Wis. Unsque Weil Number    DNR Weil Number   DNR Weil Number					
7. Volume of water removed from well 7995.0gal. 8. Volume of water added (if any) 2500.0 gal. 9. Source of water added Pw-2	Fill in if drilling fluids were used and well is at solid waste facility:  14. Total suspended mg/l mg/l  15. COD mg/l mg/l					
10. Analysis performed on water added?   [If yes, attach results)	17. Pump used was Grunfos Redi-Flo 2 wy brasi straining cloth					
Additional comments on development:  10 7665 5334 7995  T(°C) 11.3 116 12.0 9.3  OH (units) 745 7.46 7.70 7.28  Sond. (umhos) 658 636 675 722	well to casing: -0.18 stick-up: 2.62  instal depth to bottom: 202.93  final depth to 202.95  bottom: 202.95					
Well developed by: Person's Name and Firm  Name: ### M. W.	I hereby certify that the apply information is true and correct to the best of my knowledge.  Signature:					
Firm: ABIS ENVIRONMENTAL	Firm: ARB ENVIRONMENTAL					

NOTE: Shaded areas are for DNR use only. See instructions for more information.

# Appendix D.5 Regional Water Supply Well Logs

W0039213D.APP 6853-12

This Page Intentionally Left Blank.



# WATERWORKS WELL, SAUKCITY, WIS.

C,NESI,NEK,SW 4, NE4, Sec. 12, T9, R.6 E., Sauk Co.
L.P. O'Connors, Driller
Completed, May, 1921
Samples examined by F.T. Thwaites, U.W. Nos. 53365-53397
Elevation 27 753 ETM

				· •		
			100'	•		
		0-4		Jeil, no samples		
i	ł	4-10	1	Gravel, nosemples	]	FE round water leve
I	l	10-100		Sand, light gray, no samples	1. 1	Flow 401 93. m.
	1	1.00		,	1.1	Prossore HE wood
0	ŀ				1 1	
		1			•	
				, '	12	1
5	l	į		·	. 3	<u> </u>
,		1		1	134	<b> </b>
. 1					N	1
		100-124		Quicksand, no samples	1 1	1
,	128				₹ 1	
		124-120		Sand and colored gravel, no samples		lor
- 4		130-130	アンデュ	Sandstene, "honey comb", ho samples	1 1	7-
		134-148	100.000.000	Bive magnesian lime" (bive limy shale) no semples	1 :	1
		140-160		Sandstone fine gray, black specks, no samples	1 1	V60 water rase i'
3414				Sandstone, very hard, white no samples	1 !	Ţ
<b>L</b>	Ï	160-180	-		1 1	. 1
3		180.220		Shale, bive, no samples	l i	. •
		1.00		·	łi	•
1	•	L			1 1	1 .
ָ כ		220-234		"Quartzite", very hard, no samples	]	i
	l	234-244		Sandstone, fire, gray, hard, mica, nesambles	li	i
2		244-249		Sandstone fine a ray limusome arry limy & hale	] (	1 .
ſ		242-250	10	SACIO, gray, bard part no lime; goft, limy	ļļ	1
į		250-256		35., dery fine tofine, grap. I hay show about; shower island	1 !	1
	172	256-300		Sandstone, very fine, gray, limy		•
		300-305		Sandstone, medium to time, gray	ز ا	pirst rise or we
	ł	305-332		Sandstone, fine, gray, limy; streets of gray, limy shale	13	1
	-	1000.335		Jamas, 1000, 7100, 91 -9, 129, 129, 129	l Si	1
	Į.	332-335	V	Sandstone Louise to very fine, gray, imy; grays hale	1 • (	- 340 When wearies
	•	335-345		Es, fine forery face, gray, by rite, hard & rilling, a revises	j <b>Ч</b>	plugged well over the
₹	l	245 352	2000	Sandstone, Fine, gray; gray shale lavers	1 1	' I
_		752-375		Sandstone, medium to tine gray, limy	] [	Ĭ
ZOE S		375-400		Shale gray, top mainly not limy, bottom, soft.	] !	Ţ
-		3/3.700		Spongy and limy	, ,	8
•	┡	<u></u>			łi	iscand rise of we
	1	400-420		Sandstone, fine to very course, gray	1	1
≓; E	l	420-480		Sandstone, medium to coarse, gray with	Τi	1
Ε	1	1.00	· · · · · · · · ·	pink grains	1 !	
_		480-485		Sandstone, coarse to medium, gray, limy, soft	1	1
_	Į.	485-496		Sandstone, very coarse to medium IT yellown h gray, prompts	1	
4	I	496 503		Sandstone as above . Dig flow of water	1 [	isth Flow increase
7	1			Vander one as a secretary dies light without the Till and transit	1 1	
₹\		503-520		Sandstone coarse to fine light yellow rangeray, outstaily	4 1	1
5	663	520-523		Sandstone like above, some lime, feldspar grains	4 1	1
_		1693.626		Granite Bunk (Syarta SaldShar mile)		T T

U.S. Dairy Forage Research Center

Well name U.S. Dairy Forage Research Center Test Hole

Town of Merrimac

Prairie du Sac, WI 53578

Route 1

Driller.. Ace Well Drilling, Inc. Engineer. Carl C. Crane, Inc.

Madison, Wisconsin

Owner....

Address..

Driller..

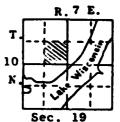
Completed... 1979

Field check.

Altitude.... 860' ETM

Use..... Test

Static w.l.. Spec. cap...



County: Sauk

									Quad .	Sauk (	ity 7🕏	•			
		Dri 1	l Hole			Casing & Liner Pipe or Curbing									
Dia.	from	to	Dia.	from	to	Dia.	Wgt.& Kind	from	to	Dia.	₩gt.&	Kind	from	to	
rou	t: Kin	ıd						<del></del>					from	to	

Samples from 0 Rec'd: 5/25/79 Studied by: Kathleen Massie Issued: 2/2/82 to 4001

Formations: Surface, Drift, Eau Claire Formation

Remarks: For final well see J139-Sk-198.

l	Depths	Graphic Section	Rock . Type	Color		in Size	Miscellaneous Characteristics
土	0-5		Soil	Dark yl bn		-	Trace organic material.
<i>-</i>				Yellow bn		_	Trace organic materials
۲	10-15		Gravel	Mxd vl bn	Gran		Dolomite, colitic cht, trp, cht, ctz. Mch and. Ltl st. cl.
۲	15-20	000,0000 200	H TATAL			Gran/M neb	Dol, grat, cht, glaucic ss, quartz, Much silt, clay, itl sa
r	20-25		**	11	n	#	Dol. chert. glaucic ss. guartz, trap. Much sand.silt. clav.
۲	25-30	1300 BP00	11	Ħ	-	17	Same plus politic chert.
٢	30-35	2000~~	Gyl & clay	11	M peb	Grand net	Dolic (clay). Dol, silcemtd as, cht, trp. qtz. Much and, at
۲	35-40	1869000000000000000000000000000000000000	n Gray	77	n DED	91	Seme
r	40-45	2000 200 ~~~	11	W	S peb		Same plus politic chert.
r	45-50	100 × ×	11	10	11	- #	Same.
٢	50-55	100 C		17	11	Gran/M peb	
۲	55-60	<b>艾尔克</b>	71	17	Gran		*
Г	60-65		Clay	Red Yellow	_	_	Dolomitic, Much gravel, sand, silt,
Г	65-70	202082	**	77			Same,
٢	70-75	DD DOO QUAL	Gravel	Mxd vl bn	Speb	Gran/S peb	Dolomite, claudic as, thert, trap, quartz, Much sand, silt.
Г	75-80	8-8-8-104 8-8	W	17	11	#	Same but little silt clav
Г	83-85		tt .	19	m	**	Dolomite, glaucic ss. chert, trap, quartz, Mch and, Itl st.
Г	85-90	War of the	Ħ	77	Gran		Same plus granite.
Г	90_95	o Wo	Sand	Lt vl bn	M	Vfn/VC	Much gravel, Little silt, clay,
Г	95-100	000	**	11	#1	n	Same.
Г	100-105	0.4	10	10	11	n	*
Г	105_110	DAXXXXX	#	11	С	Ħ	Much gravel, silt, clay,
Г	110-115	0. 1.0	11	11	M	Ħ	Much gravel, Little silt, clay,
Γ	115-120		N	11	"	#	Same,
Г	120-125	2	11	W	61	99	Much silt, Little clay, Trace gravel
	125-130		77	11	11	H	Same,
	130-135 135-140	えるごれ	11	ff		11	Much silt, clay, Trace gravel
	135-140		H	#	C	11	Same,
	140-145		11	11	М	Ħ	Little gravel, silt, Trace clay.
	145-150	<b>Contract</b>	*	М	C	11	Much gravel, Little silt, Trace clay,
	150-155		Ħ	#	<u>"</u>	#	Same
Г	155-160	22.00	W	17	VC	H	Much gravel silt Little clay,

We'l name: U.S. Dairy Forage Research Center Test Hole

•	Depths	Graphic	Rock	Color		in Size	Miscellaneous Characteristics
		Section	Type			Range	
٦Ļ	160-165 165-170		Send	Lt yl bn	C	Vfn/VC	Much gravel, silt. Little clay.
<i>O</i> .	170-175				-		Same. Much gravel, Little silt, Trace clay,
R	175-180	USWC-AV	10	*	-		Little gravel, silt.
. +	180-185		*			,	Same,
1.	185-190 190-195	A CAL BOTTO AN	-:	*	M C		Few granules, Little silt. Many granules, Little silt.
F	195-200	15.76 TRACE ACCT 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 10 TO 1	99		N		Few granules, Little silt,
_ F			19	29	М	я	Same
1 (	205-210		•				Much gravel, silt, Little clay,
	210-215 215-220			W W	C M	W	Same. Many granules, Much silt, clay,
<u>.</u>	220-225	**************************************	Gravel	Mxd brown		Gran/S peb	Granite, dolomite, quartz, trap, chert, Much sand, silt, clay,
Ļ	225-230		#	- 11		**	Same,
•	_230 <u>-235</u> _235 <u>-240</u>		Sand	It Al pu	<u>C</u>	Vfn∕⁄C.	Much silt. Few granules, Little clay,
	240-245	531777	Gravel	Mxd brown	Gran		Much silt, clay, Trace gravel.  Granite, dolomite, quartz, trap, chert, Much sand, Little silt
40	245-250		Sand	99	С	Vfn/VC	Much gravel, silt, clay,
,	250-255 255-200		Sandatone	Gray	Fn Fn	_Vfn/VC	Rnd to well rnd. Mch dolic cem. Mch dolic sh. Ir pyr. gul.
	260-265		A 2.18TE G #2	Lt bn gry	Fn H		Dolic(shale). Rnd. Trace pyrite, iron staining. iron staining. Same.
L	265-270			#	#	er er	ff f
Ę	270_275		Shale	Gray brown	_	-	Dolomitic. Trace pyrite. Much sand. Trace iron staining.
	275-280 280-285		# P	IA and ba			Same,
Ε	285-290		<del>"</del>	Lt gry bn	=		Dolomitic, Trace sand, pyrite, iron staining.
<u> </u>	290-295		Ħ	W	=		Dolomitic, Little sand, Trace pyrite, iron steining,
U F	205_300		*	#1			Same.
	300 <u>–305</u> 5 <u>–310</u>		n n	75	<u> </u>	<del>-</del>	Dolomitic. Much sand, iron staining. Trace pyrite.
	0-315		*	Gray brown	=		N
<b>?</b> ¬	315-320		7	**	_		#
Ŕ	320-325		<b>N</b>	*			
Er	325-330 330-335		Shale & ss	Dark gray	Fn	Vfn/VC	Dolomitic. Much iron staining. Little sand. Trace pyrite.  Dolic (shale). Rnd. Ltl dol cem. Trace pyrite. iron staining.
٦	335-340		7	n	17		Dolic (sh). Rnd. Mch V 6 dol ceq. Ir pyr cet. Ir pyr.
Г N	340-345			Ħ	*		Same. \iron staining, fossil molds (?)
•-	345 <u>-350</u>		n n	71	77	"	N N
_ <u> </u>	355_360			17	M	"	# The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the
	360-365	63 P.S.	N .	n	n	*	Dolic(sh), Mxd lt&dk gry sh, Rnd, Mch V G dol cem. Tr pyr cem.
	365-370		*		-	*	Same but 1t1 M dol. Tr pyr, M dol, Fe stng, foss molds(?).
H	370 <b>–</b> 375		*	#	#	# # ·	Seme,
ŀ	380_385			*	-		ч
	385-390	<b>珍</b> . 無元分			Ħ		
5ď	200_205	- 3	<u> </u>	*			Dolic (sh) Mrd lamntd 118dk gry sh. Rnd. Ltl V 6 dol cem.
==	305_400					<del></del>	Same Ir now cem, myr, fnly disser myr, Fe sing, foss molds but slightly less shale,
•							
~		]	END	OF LOG			
ŀ				<del> </del>	<del>                                     </del>	<del> </del>	
,		i i				<u> </u>	
		} J					
-	<del></del>	į l		<del> </del> -	<del> </del>	<b> </b>	
L		1		<del> </del>	<del> </del>	<b></b>	
•		}					
Ļ						ļ <u> </u>	
L		]		<b> </b>	├	<del> </del>	
		[		<del> </del>	<del>                                     </del>	<del>                                     </del>	
						ļ	
		. :				•	
		1		<del> </del>	├	<del> </del>	

UNIVERSITY OF WISCONSIN GEOLOGICAL & NATURAL HISTORY SURVEY 1815 University Avenue, Madison, Wisconsin 53706

Log No.F34-Sk-1 Sample Nos. All Retained

Well name Sauk City Village Well.#3

Prairie du Sac Township Village of Sauk City

806 Water Street

Sauk City, WI 53583 Layne-Northwest Co.

Driller.. Engineer.

Owner....

Address..

County: Sauk

11/75 Completed...

Field check. 7601

ZSZ ETM Altitude.... Use..... Municipal

27' Static w.l..

Spec. cap... 125 GPM/ft

R .6E. 9

 $\mu \nu_i \lesssim \xi \lesssim \xi_i$ Location:  $R_i \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_i^2 \lesssim \xi_$ 

Quad. Sauk City 74'

TOCA	tion: 4	<b>煙</b> , シェ こ、	크루, N	ㅁㄸ, 저껄ㄸ,	3ec.12	, 1,:	M., R. OE.				CILY 13		
		Drill	Hole	<u></u>			Са	sing &	Line	Pipe	or Curbing		
Dia.	from	to	Dia.	from	to	Dia.	Wgt.& Kind	from	to	Dia.	Wgt.& Kind	from	to
44"	0	141'				1	A53 3/8" wall welded A53 3/8" wal welded shut screen		80' 81'	18"	Stainless steel	81'	141'
Grou	t: Ki:	nd	L1	•	<u> </u>	11						from	to
	Ready ! Neat Co Sand Pa	ement						-				0 77½' 79½'	77 <del>2</del> 79 <u>2</u> 80'

Samples from 0

to 140'

Rec'd: 11/10/75

Studied by: Mark Ver Hoeve

Issued: 8/4/78

Formations:

Alluvium

Remarks: Well tested 12 hours at 2005 GPM with 16 feet of drawdown. Driller reports

total well depth of 141'. Well drilled by reverse rotary.

T	Depths	Graphic	Rock	Color	Grain Size		Miscellaneous Characteristics				
1	Depths	Section	Туре		Mode	Range					
T	0-15			no sapie.		<b> </b>					
L	\	V		<del> </del>	ļ	<del> </del>					
. L	<del></del>		Send	Lt yl bn	c	Van/VC	Little gravel. Trace silt.				
^ _		0000 C00000	Gravel	Mixed	Speb	Gren M Beb	Dolomite, granite, trap, chert, colite, quarts, fuch sand				
-  -	20-25 25-30	0000.0000	Sand	Part v plbs		Atu/AC	Little gravel. Trace silt.				
<b>└                                    </b>	30-35		M	H	H	1 61	Same.				
υþ	36-4C		- 11	- W	88	N T	10				
νŀ	40-45		-37	-	-	- 11	Ti Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Con				
ıŀ	25_87	60000000000000000000000000000000000000	Craval	Mixed	S peb	Gran/L Deb	Dolo, grat, trap, rhyol perphyry, short, quartz. Little send.				
ÙΗ	BO-85	8888900888		-	ii ii	n	Dol, short, dol-sentd sa, etz, armt, trep, riyel perpo, et, ren				
йŀ	E5-60	-000-00-00	Send	PH V DI 6	a c	Vfn/VC	frees granules, silt.				
Ť	60-65	•	77	TT	-	H	Trase gravel, silt.				
- 1-	65-70			- W	70	n	Trace granules, silt.				
<u> </u>	70-75		- 11	1 10	14	10	Sene.				
┝	75-80		- 74	21	1	11	Little gravel. Trace silt.				
<b>-</b>	80-85	·	71	N .	-	-	Sert.				
ŀ	85-90		N	50	78		Ti Ti				
⊢	90-95		11	11	- 11	- 80	THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE S				
H	95-100		- 11	11	-	61	N .				
ŀ	100-105			10	77		frace granules, silt.				
-	105-110		Eand	Hard w plbm		Vin/40	Trace gravel, silt.				
F	110-115		71		61	1 -11	Sant.				
	115-120		- 11	11		11	14				
H	120-125		77	H	41	н	*				
<b>-</b>	125-130		11	u	100	61	"				
_ <u>}</u>	130-125		TV .	11	94	10	11				
40t	235-140			111	99	**	n				
-											
1			CNB	OF LOG		1					
ŀ		1			$\mathbf{L}$	1					
Į.		<u>,                                      </u>			Total						

State of Wisconsin Department of Natural Resources Box 7921 Madison, Wisconsin 53707

WELL CONSTRUCTOR'S REPORT Form 3300-15 Rev. 12-76 4 NOTE: Division's Copy
Driller's Copy
Owner's Copy White Copy Green Copy Yellow Copy

		YTY ~	la.	راكمه		CHECK (V	_	'illage	☐ City	Name	m	~	~111		
5	41	NWZ	1 % Sec	tion	Section C	Township	Range	3. NA		NER 🗆 A	GENT AT TH	ME OF	DRILLING CH	HECK (A) ONE	
2	LÓC OR	ATION	rid or St	eet No	Street Name	JON	IL	AI	DRESS	5	inego.	<i>, e</i>	any -	Fore	
	OK	- 0	110 01 51			Hz 7	8	WEL		Re	sekre	R	Cont	سهم	
	AND				ion name, lot VELL #	\$ 610 ck No. \$ 8582	/	PC	ST OFFICE	B	11-1-	ی	W.		
4.	Dista		RMA feet from	<del> </del>		anitary Bldg. Di	rain   Sanitar	y Bidg. :	Sewer C	Floor Drai onnected 7	Fo. / Sto	orm Bio	dg. Drain S	torm Bidg, Sewer	
	lo ne	arest:	(Reco	rd			her C.I.	1		ewer Orh		.1.	<del></del> -	.i. Other	
	Slock			r Sewers	Foundation	Drain Connecte	10 Logo 2005	יברפערעני	Clearwayer 18	ر) Ho چنده	Iding Sewage	Absor	rption Unit		
	٦.	Storm	C.I.	Other	Sewer	Sewage Sump	( c.r. ) c	ther	s. Sump	Tank Ta	Seepag Seepag				
		Dea			Clearwater Dr.	Clearwater Sump		   Bara	Animat   Anima	I ISilo	Seepage Glass Lined	e Trene	<del></del>		
-1	ivy	Pet Waste Pit	Well	oncontori	ming Existing	Subsurface P		Barn Gutter	Barn Yard Pen	With Pi	t Storage Facility	w/o Pit	Earthen Silage Storage Trend Pit	h Or	
			Pump Tank			<u> </u>				/	<u> </u>				
M St	npor anure ack		Watertie Liquid Tank	Manure 5	olid Manure storage structure		Waste Pond or I Disposal Unit (Specify Type)	-	Other (Give De:		. Mis	 K.	#10		
5	Veli	is inten	ided to si	ipply wat	ter for:		<u>۔ ۔ ۔ ۔ </u>	9. F	ORMATIONS	<u> </u>	<u> </u>			<del></del>	
					Spe	eart	Cirle			Kind			From (ft.)	To (ft.)	
6		LLHOI		To (ft.)	Dia. (in.)	From (ft.)	To (ft.)	0	Rose				Surface	سى	
	12	s	urface	270	7 8	270	575	- 1	ento C	Plan			5	15	
_								18	and t	g	Done 6	Zý	15	70	
7.	<u>ı. (in</u>	ING.)	INER, C aterial, W & Meth	URBING eight, Spe od of As	AND SCREE culication sembly	N .   From (ft.)	To (ft.)		earth	Li	- Inc	d	70	190	
_	5	1	ren	· d	il c	Surface	273		carl.	4 E.	one It	المديد	190	263	
		7	75	TM	A53	•	/	S	andston	بور - س	itsh	le	263	570	
			32	2 %	Wall.			Gr	anita	BI	rl		5-70	575	
		2	15	P		\			APPROVAL	. DAT	E; Sef				
		E		LOCA	TION! A	ERRIM		10.	TYPE OF DRII	LLING M	ACHINE USE Rotary-ha		e: To STA	ITE GEOLOGI	٣
8.	GRO				G MATERIA		in C	┥	Cable Too	ا (	w/drilling mud & air		□ Je	tting with	
			Kin			From (ft.)	To (ft.)	4	Rotary-air w/drilling	mud {	□ Rotary-ha	mmer		Air D. Water	
	~	in	-1-	+	Water	Surface	270		☐ Rotary-w/o	drilling [	Reverse R	otary		Water	
_	-							Well	construction co	ompleted o	on	/-	4	1979	
	. 1	MISCE	ELLANI	ous D	ATA	.2	30 CPM			.36		_	above final	grade	
	<u> </u>	Yield T	est:		<u></u>	Hrs. at	GPM	Well	is terminated _	<u> </u>	inches		below		
_	1	Depth 1	from surf	ace to no	rmal water le		Ft.		disinfected upon	n completi	ion	,23	Yes No	<del></del>	
	1	•	of water pumping		Ft.	pecific Stabilized	X Yes   T	71 '	sealed waterligh	5. It upon co	mpletion	×	Yes 🗆 No		
			ample se		50	A.	1/			aboratory			7	19 <i>72</i>	
		pinion g the v	concerni vell, amo	ng other punt of cer	pollution haza ment used in	ards, informatio grouting, blastin	n concerning di g, etc., should	ifficultic be given	s encountered, a on reverse side.	and data re	elating to near	rby we	lis, screens, seal	i, method of	
S	riatur	3	7	~		Hof	e	Com	pkte Mail Addi	ress	000	1	Wi:	5-396.	ک
			/ /	. 72'		/ Registered	Mell Driller	111	' ///		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	-	/ .		

# WELL CONSTRUCTION REPORT WISCONSIN STATE BOARD OF HEALTH WELL DRILLING DIVISION

JUL 11 1542

Note: Section 32 of the Wisconsin Well Drilling Sanitary Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board. Driller WE 16. Street or RFD_ Post Office Date Ellani LOCATION OF PREMISES The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section. Describe further by subdivision, plat, district, lake, lot, block, nearest principal highway, etc., whichever apply. DIAGRAM OF PREMISES See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH. fram. O WILL

Additional copies of this form may be obtained in lots of 12 for 25¢. Send remittance with order to State Board of Health, Well Drilling Division, Madison, Wis.

# WELL LOG and REPORT

In this column indicate the kind casing, liner, shoe and other accessories used.	WELL DIAGRAM Use a red line to show or liner pipe. Use black drill or borehole.	casing	In this column state the kind of formations penetrated, their thicknes in feet and if water bearing.	f Record of FINAL Pumping test
in well Diller's	Inches Diameter 2 3 4 5 6 8 10 12 14 16 18	Depth	Ich soil 5 ft.	Duration of test Hours 2 loo
I fe used with	3	<u>2</u> 2.		Pumping rate G.P.M. 3509-PNi
\$ 20 ft of coment,		50		Depth of pump in well. Ft. 120 pt.
3 - I of arrian,			Sand and gravel Drug. 1124,	Standing water-level (from surface)  Ft
		75	77,	Water-level when pumping Ft. 80 45
		100		Water. End of test. Clear Cloudy
		150		Was the well sterilized?
			Sand water bearing	Yes 14.60 No
-		200	grand bed,	Date
<u> </u>		400	·	Was the well sealed or completion? YesNo
		100		How high did you leave the casing-pipe above grade?
	8	300		Well was completed  Date 10
	Oraw the diagram to show the right half only	00		Well Driller  Signature

Side Department ...
Private Waik
Box 79
Madison, Wisconsin 22-07

White Copy Green Copy Yellow Copy Division's Copy Driller's Copy Owner's Copy

WELL CONSTRUCTOR'S	RI
Form 3300 - 15	Ð

<del></del>		<del></del>	111 1 0 19q
COUNTY	CHECK (✓) ONE.  Town □ VIII	lage City Praire Du	5
Section of Gov't. Lot	Section   Township Range	3. NAME OWNER AGENT AT TIME O	F DRILLING CHECK I ON
LOCATION (PV))	26 10N 6E	Fins Farm's Me	in Lin's
	Road Name H y Z	ADDRESS E11320 Hy. Z	DERN # 2975
AND - If available subdivision name, I		POST OFFICE	ZIP CODE
Pierre in free free will Building	Sanitary Bldg, Drain   Sanitary	Bidg. Sewer   Storm B	idg, Drain Storm Bidg, Se
	C.I. Other C.I.	Other C.I. Sewer Other Sewer C.I.	Other C.1. Other
answer in appropriate //4 /// >			Julie Julie
Street Sewer   Other Sewers   Foundation	on Drain Connected to: Sewage Su		orption Unit Manure Hopper c
ian. Storm C.I. Other Sawer	Sawage C.I. Ot	1	Retention or Phuematic Tenk
Clearwate Dr.		Seepage Bed Seepage Tree	
rivy Pet Pit: Nonconforming Existi	ng   Subsurface Pumproom	Barn Animal Animal Silo Glass Lined Silo outer Barn Yard With Pit Storage w/o	Earthen Silage Earthen Storage Trench Manure Bar
Pit Well Pump	Nonconforming Existing	utter Barn Yard With Pit Storage W/o Pen Facility Pit	Or Pit
Tank	<b>-</b>	<u> </u>	
	Manure Subsurface Waste Pond ressure Gasoline or Disposal Uni		Describe)
Basin	ipe Oil Tank (Specify Ty		
<u></u>		Partial Concrete Walls	
Well is intended to supply water for:	· •	9. FORMATIONS	1 m 1 = -
	rigation	Kind	From (ft.) To (ft.)
DRILLHOLE	A 1 5 mm (fee)	6/4-/	107
Dia. (in.) From (11.) To (ft.) Dia. (in	i.) From (ft.)   To (ft.)	Sand + grans	Surface /5/
O Surface 187		Fine To	156
		Carse Sond	156-187
CASING, LINER, CURRING AND SCR.	FEN	16198 1318	
CASING, LINER, CURBING AND SCRI Material, Weight, Specification Dia. (in.) Mfg. & Method of Assembly	From (ft.)   To (ft.)		
PE 250 W.11		<u> </u>	
4	Surface 156	Sounk Co. IRRIG # 56	)
4 Johnson Scrau	n 156 187	Hoppoval date Junt	e 21, 1985
		File location: Prairie	Du Sac
		U. STORE GEOLOGIST	<u> </u>
\		10. TYPE OF DRILLING MACHINE USED	
		Rotary-hammer  Wydrilling  Cable Too!   mud & air	Jetting with
GROUT OR OTHER SEALING MATER			
Kind	From (ft.) To (ft.)	Rotary-sir Rotary-hamme	" Water
Dill Collings	Surface 147	Rotary-w/drilling Reverse Rotary	i —
Marel Park	147 187	Well construction completed on 7-16	0 1985
9	C. = 40.4 GPO/F+	wen consulaction completed on	above
1/2	- Hrs. at 1600 GPM	Well is terminated 1 14 inches	final grade below
Yield Test:			
Depth from surface to normal water	r level 80 Ft.	Well disinfected upon completion	Yes 💯 No
when pumping F	L Stabilized 🗵 Yes 🗆 N	o Well sealed watertight upon completion	Yes 🗆 No
Water sample sent to		laboratory on	19
'our opinion concerning other pollution h	sazards, information concerning dif	ficulties encountered, and data relating to nearby w	vells, screens, seals, method of
nishing the well, amount of cement used	in grouting, blasting, etc., should b	e given on reverse side.	

Business Name and Complete Mailing Address P12 512 6. C.

State of Wisconsin
Department of Natural Resources
Private Water Supply
Box 7921
Madison, Wisconsin 53707

#### NOTE:

White Copy — Division's Copy Green Copy — Driller's Copy Yellow Copy — Owner's Copy WELL CONSTRUCTOR'S REPORT Form 3300-15 JAN 25 1984

1. COUNTY	CHECK (*) ONE:	Name ,	· hu. L.
% Section or Gov't. Lot			i. Mil soll
2. LOCATION Section or Gov's. Lot	28 ION 6F	3. NAME OWNER AGENT	AT TIME OF DRILLING CHECK (A) ONE
OR - Grid or Street Nb. Street or Road		ADDRESS. PP	(
AND - If available subdivision name, lot &	block No.	POST OFFICE	ZIP CODE
		Thursday 94 of	2,102 535/1
	<del></del>	Bidg. Sewer   Floor Drain Connected To:	Storm Bidg, Drain Storm Bidg, Sew
to nezrest: (Record answer in appropriate block)	74 Other 374	Other   C.I. Sewer, Other Sew	er C.I. Other C.I. Other
Street Sewer Other Sewers   Foundation Dr	ain Connected to Sewage Su		Sewage Absorption Unit: Manure Hopper or Retention or
San. Storm C.I. Other Sewer	Sump 'Clearwater	hui	Seepage Bed Phuematic Tank
Privy Pet Pit: Nonconforming Existing	Sump		Seepage Trench Lined Silo , Earthen Silage Earthen
Waste	Subsurface Pumproom  NonConforming Existing	utter Barn Yard With Pit' Stori	age   w/o  Storage Trench Manure Basis
Pump	Control of the Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian Cartesian C	Pen Facil	ity Pit Or Pit
Tank			
Temporary Manure , Watertight Liquid , Manure Stack or Platform , Manure Tank or   Practice	Subsurface Waste Pond		Other (Describe)
Stack or Platform Manure Tank or Pressur Basin Pipe	Gasoline or Disposal Uni Oil Tank (Specify Ty	(De) Concrete Floor City	
		Concrete Floor and	7
5. Well is intended to supply water for: //		9. FORMATIONS	
	one	Kind	From (ft.) To (ft.)
6. DRILLHOLE			45
Dia (in.) From (tt.) To (ft.) Dia (in.)	From (ft.) To (ft.)	- kerel	Surface
Surface ZC	<u> </u>	Sold blead	75 160
4 20 ×39	!	1 Charle	160,239
7 CASING LINER CURRING AND SCREEN		filme (1) ch	1
7. CASING, LINER, CURBING AND SCREEN Material, Weight, Specification  Dia. (in.) Mfg. & Method of Assembly	From (ft.)   To (ft.)	/	
6" View Stani Banker	Sure 229		
1754 18 A120	\		
Wooneyling A.F. Steet			
Unim, J:L, Suni	PEI		
		10. TYPE OF DRILLING MACHIN	
	<u> </u>	w/d	ary-hammer rilling s & air
8. GROUT OR OTHER SEALING MATERIAL		1 7	
Kind	From (ft.) To (ft.)	Rotary-eir Rot	
A MATTER	Surface 20	Rotary-w/grilling Rev	erse Rotary
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s			21
11. MISCELLANEOUS DATA		Well construction completed on	1953 Despoye
11. MISCELLANEOUS DATA  Vield Test: Hr	141 _25 GPM	Well is terminated 12 inc	[mal grade
			Ø Y⇔ □ No
Depth from surface to normal water level	<u>50</u> FL	Well disinfected upon completion	EZ TE LIN
Depth of water level 50 Ft. S	nabilized 🛛 Yes 🗆 No	Well sealed watertight upon completio	Yes No
Water sample sent to	Media	hborszory on	direct 1983
opinion concerning other pollution kazards ning the well, amount of cement used in ground	, information concerning diffi sting, blasting, etc., should be	culties encountered, and data relating t given on reverse side.	to nearby wells, screens, seals, method of
			A44
La Verne Helse	Rogistered Well Driller	245 Park In Complete Making	Peace Ru Sac
XC, CEME//JAMA	Control wen runer	- I - I WALLOUSEL	Astrices Vices Only

Well name Lins Farms Well #2

Town of Prairie du Sac

Owner.... Line Forms Kiniam S. Links

Address.. Route 1 E 1/575 Hwy Z Prairie du Sac,WI 53578

Driller.. Ace Well Drilling, Inc.

Engineer.

County: Sauk

Completed... 8/4/79

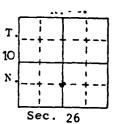
Field check.

Altitude.... 835' ETM

Use..... Irrigation

Static w.l.. 79'

Spec. cap... 28 GPM/ft.



LOCATIVE NUT F OF ARISES 5/2 See 26 TIDE PLF

LOCA	TICH -	WT E	O,P CE	witer 3	z, sec.	ا رعاد	TUN, EGE		Quad.	Sauk	City 7½'		
		Dril.	Hole			1	Ca	sing &	Liner	Pipe	or Curbing		
Dia.	from	to	Dia.	from	to	Dia.	Wgt.& Kind	from	to	Dia.	Wgt.& Kind	from	to
17"	0	162'				14"	0.375 wall New pipe U.S.P. Johnson	+15"	137'				
	1.2	<u> </u>	لــــــــــــــــــــــــــــــــــــــ			11	screen	137'	162'			from	+0

Drilling method: Rotary

Samples from 0 to 161' Rec'd: 11/9/79

Studied by: Teresa E. Handy

Formations: Surface, Drift

Drill cuttings 0 105' Gravel pack 105' 162'

Issued: 2/2/82

Remarks: Well tested for 4 hours at 800 GPM with 29 feet of drawdown.

DNR Permanent Well #29765 and Sauk Co. Irrigation #56.

Driller reports total well depth of 162'.

LOG	OF WELL	<del></del>					
	Depths	Graphic Section	Rock Type	Color	Gra Mode	ain Size Range	Miscellaneous Characteristics
Sur	0-5	**************************************		Dk yl bn	C	Vfn/VC	Much clay. Little gravel, silt, soil.
10'	<b>5–1</b> 0		11		11	u	Same.
		4 . 4	Grave1	Mixed	Gr	Gran/S peb	Grnt, dol, cht, qtz, sts, trap, silcem ss, fos dol. Mch snd. Ltl st.
	15-20	8688	. #	11	S peb	Gran/M peb	Same plus glauconitic sandstone.
`	20-25		t†	11	11	11	Same plus limonite-cem as but no glauconitic sandstone.
`  _	<u>27–30                                    </u>	200000	£†	11	11	11	Grat. dol. cht. atz. sts. trap. clausic ss. silcer ss. ool cht. Mah sad
\	30-35	0000000	11	- 11	<u> </u>	"	Same. Ltl st.Tr cl
ם	35-40	00% 0 6.960	H	n	n	11	Same but no glauconitic sandstone clay.
- L	40-45	10000000	Sand	Yl brown		Vfn/VC	Much gravel(Gran/M peb). Little silt.
R	45-50	8600 000	Gravel	Mixed		Gran/M peb	Dol. fos dol.cht grnt. silcem ss.ool cht. sts. atz, trap. glaucic se
I	<u> </u>	00000000		n (1	- "	<del>  "</del>	Same plus trace clayatrace cvd soil but no glaucic ss. Mch sr
F	60-65	2000000	11	"	<del>  "</del>	"	Same but no soil. Ltl st
T	65-70	0.00	Sand	Yl brown	<u>"</u>	Vfn/VC	Same plus limonite-cem sandstone but no colitic chert.
\ <b>-</b>	70-75		Sand	11 brown	- C	Vtn/VL	Much gravel(Gran/M peb). Little silt.
· -	75-80	0.000	11	<del>"</del>	- "	<del>"</del>	Much gravel (Gran/S peb). Little silt.
<b>`</b>	80-85	8.0	11	11	H	n	n
\ <b> </b>	85-90	2 17 H 18 N 7 18 18 N 19 N 19 N 19 N 19 N 19 N 19 N 1	11	91	_ vc	11	Much gravel(Gran/M peh). Little silt
\ \rac{1}{2}	90-95	6: 3 C C C C C C C C C C C C C C C C C C	11	31	C	H	Much gravel(Gran/S peb). Little silt.
	95-100	2480 0475	11	- 11	VC	ii ii	Same.
! <u>[</u>	100-105	0.0000000000000000000000000000000000000	Gravel	Mixed	S peb	Gran/M peb	Dol, fos dol&cht.ool cht.grnt.sts.gtz.silcem ss.trap. Mch snd
	105-110	84.2948.0°8.8°	Н	n n	11	1	Same plus limonite-cemented sandstone. Ltl st.
	110-115	200000	Sand	Yl brown	VC	Vfn/VC	Much gravel. Little silt.
\	115-120		Gravel	Mixed	S peb	Gran/M peb	Dol.fos dol.cht.colcht.silcem ss.qtz.lim-cem ss.sgrnt.trap.
\  -	120-125	60000000000000000000000000000000000000	n	11	. "	1 11	Same but no limo rite-cemented sandstone. Mch snd. Ltl st
'  -	125-130	50.80 5008	11	11	n n	11	Same plus glauconitic ss.
·				Y1 brown	VC	Vfn/VC	Much gravel. Little silt.
· +	132-140	9		<u>"</u>	#		Same.
-	140-145	4 a 8	n n	17	H	n	<u>"</u>
<b>⊢</b>	150-150		<del>"</del>	"	11	<u> </u>	11
1511	15-151		"	"	- ;	<del>"</del>	11
	, , ,	r 000 gg; 01: 00 \$		ND OF L		1	Page 1 of 1

Page 1 of 1

77 State of Wisconsin Depair nent of Natural Resources Box 7921

Madison, Wisconsin 53707

NOTE:

White Copy - Division's Copy Green Copy - Driller's Copy Yellow Copy - Owner's Copy

WELL CONSTRUCTOR'S REPORT Form 3300-15 Rev. 12-76

1.	LA.	٠	Ŀ	CHECK (/			<b>П</b> а.	Na	me /		j.	ν
_		% Section	Section	Township	Range	3. NAM	E ON		AGENT AT		DRILLING	CHECK (A) ONE
2.	CATION	ISE	26	10 N	1 6 E	ł	ئىرى	ے	Farre	WE	LL #	2
		rid or Street N	o. Street Nam	R OFS	ち S26	ADD	RESS	P	-5.4044	111-1	450	771
		TUALLY			3, JYE	<u> </u>	8	PE	RMAN	MELL	<u>-#29</u>	165
	ND - II	available subd	ivision name, lo	l & block No.			OFFICE	li-		Ki	535	78
		feet from well	Building	Sanitary Bldg. D		Bldg. Sev	<u></u>	Floor Dr	d To:		dg. Drain	Storm Bldg. Sew
	nearest:	(Record propriate		C.I. 0	ther C.I.	Oth	er   C.1. 5	Sewer O	ther Sewer	C.I.	Other	C.I. Other
	ock) eet Sewer	Other Sewe	ers  Foundation	Drain Connecte	d to: Sewage Su	mp 1 C			tolding Sewa	ge Abso	rption Unit	
San.	Storm	C.I. Other	Sewer	Sewage  Sump	C.I. 01	her	Sump	Tank	<u> </u>	age Pit		
_	<u> </u>		Clearwater Dr.	Clearwater Sump						age Bed age Tren	ch	
Pr.	Pet Waste		forming Existing			utter Ra	mal Anim	al (Silo	Glass Line Pit, Storage	ed Silo	Earthen Si Storage Tr	tage ench Or
	Pit	Pump		Nonconform	ing Existing	P	en		Facility	Pit	Pit	
Te	orary	Tank Watertight	Solid Manure	- Eubrustaan II	Waste Pond or La	1	er (Give De		<u> </u>	<u>i</u>		
Marie	ure .	Liquid Manur Tank	e Storage Structure		Disposal Unit (Specify Type)				. IRF	RIG	#56	
<del></del>	all is inten	ded to supply	i water for:	<del>!</del>								<u> </u>
٠.	-11 12 UHEN	eed to supply	ا المادة المادة المادة المادة المادة المادة المادة المادة المادة المادة المادة المادة المادة المادة المادة الم المادة المادة المادة المادة المادة المادة المادة المادة المادة المادة المادة المادة المادة المادة المادة المادة	rightion		7. 101	MATIONS	Kind	•	ı	From (ft.)	To (ft.)
6. D	RILLHOI	.E		1				,				
1	(in.) Fro	om (tt.) To (	ft.) Dia. (in.)	From (ft.)	To (ft.)		ار - د در	<u> </u>			Surface	
1	$Z \mid s_1$	urface /6-	2			1	,, , , t	6	بر سه در بر	9, X	7	162
7		:										
7.	G, LI	NER, CURBIN	NG AND SCREE Specification	I N	<del></del>	<del>                                     </del>	<del></del>					
D.	(in.)	terial, Weight, & Method of	Assembly	From (ft.)	To (ft.)	<del> </del> -	<del></del>	-,				
11		1,375	W.ill.	Surface	137					·		
_		972 1	Pila			AF	PROV	96	DATE	: AP	RIL 1	1979
		21.5.1	? [/]						CN: PA	- 1	•	ــــــــــــــــــــــــــــــــــــــ
	منيخ	-ph-2-	Provident.	137	162	CC.	· To.	STA	ATE G	EC	LOGI	s <del>/</del>
	3					10. TY	PE OF DRI	LLING N	ACHINE US			
		071170 27		<u> </u>	<u> </u>	}	Cable Too	st.	Rotary-l w/drilling mud &			Jetting with
8.	KUUT OR	OTHER SEA!	LING MATERIA	AL From (ft.)	To (ft.)		. Rotary-air	,	Rotary-	nammer		Air
	/				,	1 -	w/drilling	mud	a air			Water
:	~~~·	il Ca	lling.	Surface	115		Rotary-w/ mud	urilling	Reverse	Rolary		
_	<i>/</i> /ハマ・	ach. So	wh	165	112	Well cor	struction co	ompleted	on	8-	4	19 79
1	MISCE	LLANEOUS	DATA					1 /		图	above	al grade
	_Yield_To	ـــــــنانـــــــــــناند		Hrs. at	GPM	Well is to	erminated .	15	inches		below	<del></del>
			normal water le	vel	Ft.	Well disi	nfected upo	n comple	tion	Ø	Yes D No	<u> </u>
	•	f water level pumping	108.Ft.	<del></del>	S Yes D No					<u> </u>	Yes 🗆 No	)
_4		imple sent to			27.69FM					2-/	'c·	19 <u>\$c</u>
ų,	nion o	concerning other	er pollution haz cement used in	urds, information grouting, blastin	n concerning diffi g, etc., should be	iculties en given on	countered, reverse side	and data	relating to n	earby we	ils, screens, s	eals, method of
Si, i	ture					Comple	e Mail Add	ress				
;	227	and	7/17	Registered	Well Driller	10	4 1/2	: Z'	elle,	The	537	65

San Kodamaly

#### NOTE:

**WELL CONSTRUCTOR'S REPORT** Form 3300-15 Rev. 12-76

- Division's Copy White Copy Green Copy Yellow Copy Driller's CopyOwner's Copy 385 ADD 3 Madison, Wisconsin 53707 CHECK (V) ONE: 1. COUNTY Name ☐ Village ☐ City Poist: Town 3. NAME OWNER AGENT AT TIME OF DRILLING CHECK IN ONE **%** Section Section Township Range 10 N SNF SET 28 LOCATION **ADDRESS** - Grid or Street No. Street Name <del>5357</del>7 AND - If available subdivision name, lot & block No. POST Du Duc Wisc Floor Drain Connected To: 4. Distance in feet from well Building Sanitary Bidg, Drain Sanitary Bldg. Sewer Storm Bldg. Drain Storm Bldg. Sewer to nearest: 25' /Record Other C.1. Other C.I. Se Other answer in appropriate block) Septic Holding Sewage Absorption Unit Street Sewer | Other Sewers | Foundation Drain Connected to | Sewage Sump Clearwater Sump 7.1. Other Other Sewage Seepage Pit San. Storm Sewer C.I. Seepage Bed 20 Clearwater Dr. Sump Seepage Trench Privy Barn Animal Animal Silo Glass Lined Silo Gutter Barn Yard With Pit, Storage w/o Facility Pit Earthen Silage Storage Trench Or Pit Pet Pit: Nonconforming Existing Subsurface Pumproom Waste Well Nonconforming Existing Pump Tank Watertight Solid Manure Liquid Manure Storage Tank Structure Subsurface Waste Pond or Land Gasoline or Disposal Unit (Specify Type) Temporary Manure Stack Other (Give Description) 9. FORMATIONS 5. Well is intended to supply water for: From (ft.) Kind To (ft.) 6. DRILLHOLE <u>5</u>31 Dia. (in.) From (tt.) | To (ft.) | Dia. (in.) | From (ft.) To (ft.) Sarface <u>5</u>31 Surface 50 7. CASING, LINER, CURBING AND SCREEN Material, Weight, Specification & Method of Assembly From (ft.) To (ft.) 48' 6 700 B wells Surface sen & d 6" Tilescope 531 50 scren with to 10. TYPE OF DRILLING MACHINE USED Rotary-hammer w/drilling mud & air 🔀 Cable Tool ☐ Jetting with 8. GROUT OR OTHER SEALING MATERIAL From (ft.) Rotary-eir Air Kind To (ft.) Rotary-hammer Water Rotary-w/Srilling Reverse Rotary 15 19 ZY Well construction completed on 11. MISCELLANEOUS DATA M above final grade <u> 9</u> ☐ below GPN Yield Test: <u> 3ረ</u> 🔀 Yas 🗆 No Depth from surface to normal water level Well disinfected upon completion Depth of water level 0.7 X You De Noor Stabilized X Yes I No Well sealed watertight upon completion when pumping .. 19 85 2 ac Trac 10 Blat inhoratory on Water sample sent to rds, information concerning difficulties encountered, and date relating to nearby wells, screens, male, method of routing, blasting, etc., should be given on reverse side. Your opinion concurning other pollution haza ting the well, amount of com ent was in grou Complete Mail Address Sizza ture #/ arena Wisc 53503

red Well Drille

State of Wisconsin Department of Natural Resources Private Water Supply Box 7921 Madison, Wisconsin 53707

NOTE:

Division's Copy

White Copy

WELL CONSTRUCTOR'S RL. UKI Form 3300-15 Rev. 2-79

(RCR) 264-2722

MAY 17 1984

Green Copy Yellow Copy Driller's Copy Owner's Copy <u>-</u> COUNTY CHECKAN ONE: AUK RAIRIE DU SAC 12 Fown ☐ Village ☐ Citv Section or Gov't, Lot Section Township, Range 3. NAME OWNER AGENT AT TIME OF DRILLING CHECK (A) ONE 33 4 2. LOCATION e Caca OR - Grid or Street No. Street or Road Name ADDRESS POST, OFFICE AND - If available subdivision name, lot & block No. ZIP CODE  $\omega Z$ Trairie Floor Drain Connected To: 4. Distance in feet from well Building Sanitary Blog. Drain Sanitary Bldg. Sewer Storm Bldg, Drain Storm Bidg. Sewer to nearest: (Record Other Other C.I. Other Cther Sewer C.L. Other C.I. swer in appropriate block) Clearwater Septic Holding Sewage Absorption Unit Manure Hopper or Sump Tank Tank Seepage Pit Retention or Phuematic Tank Street Sewer . Other Sewers Foundation Drain Connected to: Sewage Sump Other Sewage Sump San. Storm C.I. Other Sewer 30 Seepage Bed Clearwater Clearwater 60 Seepage Trench Sito Glass E... With Pit Storage Facility Privy Pet Waste Pit Animal Barn Pen Barn Gutter Animal Yard Earthen Silage Earthen Storage rench Manure Bazin Pit: Nonconforming Existing Subsurface Pumproom Glass Lined Silo Storage Or Par Well Nonconforming Existing Pump Tank Temporary Manure Stack or Platform Watertight Liquid Manure Tank or Basin Manure Pressure Pipe Subsurface Waste Pond or Land Gasoline or Oli Tank (Specify Type) Manure Storage Basin Other (Describe) Concrete Floor Only Concrete Floor and Partial Concrete Walls 9. FORMATIONS 5. Well is intended to supply water for: From (ft.) To (ft.) 6. DRILLHOLE Dia. (in.) From (tt.) | To (ft.) | Dia. (in.) | From (ft.) | To (ft.) 10 Surface CASING, LINER, CURBING AND SCREEN
Material, Weight, Specification
ia. (in.) | Mfg. & Method of Assembly Dia. (in.) From (ft.) To (ft.) 106 Surface this poeled משמח שלח 10. TYPE OF DRILLING MACHINE USED Screen 109 106 Rotary-hammer w/driffing mud & air Jetting with Cable Tool 8. GROUT OR OTHER SEALING MATERIAL Actory-sir w/dritting mud Rotary-hammer Air ' From (ft.) Water Rotary-w/drilling mud 106 Reverse Rotary Surface 30 Well construction completed on MISCELLANEOUS DATA Z above final grade **GPM** Well is terminated Yes D No Depth from surface to normal water level FL Well disinfected upon completion Depth of water level Stabilized Pes De No Well sealed watertight upon completion Yes D No Ft. when pumping. inboratory on Water sample sent to per opinion concerning other poliution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of Johing the well, amount of coment used in grouting, blasting, etc., should be given on severe able. Ace Well Drilling Inc. Business Name and Complete Mailing Address N 9899 - Hwy. 23 Wisconsin Dells, WI 53935 77 Drian Registered Well Driller

Well name Kindschi's, Inc. Well #1

Prairie du Sac Township -

Owner.... Kindschi's, Inc. c/c JERCALD KINSSCH, Field check. 830

Address.. Route 1

Prairie du Sac, WI 53578

Driller.. Ace Well Drilling, Inc.

Engineer.

County: Sauk

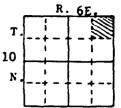
Completed... 5/26/77

Altitude.... ETM

Use..... Irrigation

Static w.1.. 65'

Spec. cap... 22 GPM/ft



Issued: 8/12/82

LOCATION: C, NE, Sec. 27. TION, RGE

Quad. Sauk Prairie 75'

		Drill	Hole					Casi	ing &	Liner	Pip	e or Cur	bing		
Dia.	from	to	Dia,	from	to	Dia.	Wgt.& Ki	nd i	from	to	Dia.	Wgt.&	Kind	from	to
18"	0	1401				14"	PE.new pip ASTM A53 wall	0.375	s. 5 13"	115'		25 ft. screen slot		on 115'	140'
Dril Samp	ling mo	ethod:	rota:	ry 155' Rec	'd: 7/6	/77				tting	3			from 0 100'	100' 140'

Studied by: Teresa E. Handy

Formations: Surface, Outwash

Remarks: Well tested for 4 hours at 1000 GPM with 45 feet of drawdown.

Driller reports total well depth of 140'.

DNR Permanent Well #29750 and Sauk Co. Irrigation #44.

Ť	OF WELL	<del>,                                     </del>	Rock	F	C=-	in Size	<u></u>
- [	Depths	Graphic		Color	Mode		Miscellaneous Characteristics
-	G <u>-5</u>	Section	Type Soil	Black	Mode	Range	T
fc. -	5-10		3011				Trace organic material.
5.				Dk y1 bn V dk bn	-	<del></del>	Same,  Mch snd, Ltl st. Tr cvd s
3 +	15-20	0.0000 0000	Gravel	Mixed		Gran/S peb	Grnt.gtz.dol.cht.trp.lim-cemtd ss.silcemtd ss.fossif dol&cht
-	70 <del>-</del> 25		n n	NIXEO	13 DEP	11	Same plus oolic cht but no lim-cemented sandstone.
ŀ		200000000000000000000000000000000000000		<del></del>	<del>                                     </del>	<del>                                     </del>	Same plus siltstone but no caved soil.
o	35-35	, , , , , , , , , , , , , , , , , , ,		11	<del>                                     </del>	<del>"</del>	Same plus limonite-cemented sandstone.
1	35_40	50 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		11	n	"	Grnt, qtz, dol, cht, trp, lim-cemtd ss, sil cemtd ss, fossif dol&cht.
rt	4:245	000000	п		-		Same but no fossilferous chert. \sts.Mch snd.Ltl s
<u>.</u>	45-50	10000000000000000000000000000000000000	11	11	H	-	Same plus trace caved soil.
۱ ۱	5:-55	00000000	11	#		-	Grnt atz dol cht tro fossif dolacht colic cht Meh sand 'tl
4	55-60	000000000	11	"	H	-	Same plus silica-cemented sandstone but no colitic chert.
s t	62-65	20.0000000			n	Gran/M peb	Same but no fossiliferous chert.
i	(5-70	1888 300	97	11	11	11	Grnt, qtz, dol, cht, trp, fossif dol, colic cht, Mch snd.ltl
' '	76-75	00000000000	11	11	Ħ	Gran/S peb	Same plus silica-cemented sandstone.
t			Sand	Yl brown	M	Vfn/VC	Few granules, Little silt.
- [	61 <b>-</b> 65		11	"	77	77	Same.
	65 <b>–</b> 40	•	17	u	11	11	Little silt. Trace granules.
	c:_c:		н	11	H	99	Same,
	sr <u>=1</u> 60		ĸ		C	W	in .
	100-105		ff		п	10	1
ı	10f=110	ان فن نسية	19	m m	n		"
ļ	110-115		*	l n	VC_	1 11	n n
ļ	115-120		n	11	c_	11	"
ļ	10:-125				#	H	11
ļ	127-131		#	"	<del>  "</del>	"	n
ļ	130-135	-			<del>  "</del>	<u> </u>	"
ŀ	14(=)4	-	H	<del>  _ ;</del>			7
}	14:-15	4:00			<del></del>	<del> </del>	
ا ا				" "	<del>  "</del>	#	1
oʻ		11:30	, , , , , , , , , , , , , , , , , , ,		+-"	,	11
- 1		1		D OF LO	┶	<del> </del>	<del></del>

# ENTYLESITY OF WISCONSIN GEOLOGICAL & NATURAL HISTORY SURVEY 815 University Avenue, Madison, Wisconsin 53706

Well name Art Mueller, Jr. Well

Town of Prairie du Sac

Art Mueller, Jr.

Prairie du Sac,WI 53578 riller. Ace Well Drilling, Inc.

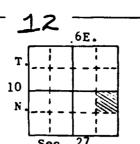
County: Sauk

Completed... 1/28/78

Field check. 820.
Altitude.... 861' ETM
Use...... Irrigation

Static w.1.. 65'

Spec. cap... 18 GPM/ft



CATTON: SE, SW. SW. NE, NW, SE, Sec. 27, TION, PleE Quad. Sauk Prairie 72'

		Dril.	l Hole				Ca	sing &	Liner	Pipe	or Curbing		
Dia.	from	to	Dia.	from	to	Dia.	Wgt.& Kind	from	to	Dia.	Wgt.& Kind	from	to
17"	0	164'					P.E. new pipe 0.375 ASTM A53 U.S.P.	+13"	144'	12"	screen	144'	164'
								rout				from	to

Drilling method: Rotary

amples from 0 to 165' Rec'd: 2/6/80

Studied by: Sara T. Sauers

ormations: Surface, Alluvium

Puddle Clay 0 120'
Gravel Pack 120' 164'

Issued: 1/12/82

pemarks: Well tested for five hours at 800 GPM with 45 feet of drawdown.

Driller reports total well depth of 164'.

DNR Permanent Well #29761 and Sauk Co. Irrigation #54.

	F WELL	<u>:</u>				<del>-</del>	
	Depths	Graphic	Rock	Color		in Size	Miscellaneous Characteristics
	-	Section	Туре	00101	Mode	Range	MISCELLANCOUS CHAIACTELISTICS
	0-5	弘弘孙孙	Soil	V dk bn	_	_	
	5-10	#XXX	Sand	Yellow bn	С	Vfn/VC	Trace granules, silt, soil,
	10-15		11	Dk yl bn	Ħ	**	Much soil. Trace granules.
	15-20		Ħ	Mixed bn	Ħ	11	Much gravel. Trace soil, silt.
	20-25		- 11	Pale brown	"	n	Trace granules, silt.
	25–30		11	n	"	11	Same.
	30-35		Ħ	Ħ	n	11-	Trace gravel (Gran/S peb), silt.
	35-40		11	H	11	11	Trace gravel (Gran/S peb), silt, caved soil.
	40-45		11	n	11	n	Little gravel. Trace silt.
	47-70	10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Gravel	Mixed bn	Gran	Gran/M peb	Quartz, chert, grnt, metavolcs, trap, dol, ss. Much sand. Trace s
	50-55	3 3 3 4 4 5 4	Ħ	H	117	Ħ	Quartz, chert, limestone, dol, metavolcs, granite, trap.Ltl snd.T
	55-60		Sand	Mxd pl bn	C	Vfn/VC	Much gravel, Trace silt,
	60-65		Gravel	Mixed bn	Gran	Gran/M peb	Quartz.chert.dol.grnt.metavolcs.trap.sandatone.itl snd. Ir
	65 <b>-</b> 70	770 (15)	11	11	11	"	Same.
	70-75	8 8 8 8 8		r r	11	Gran/S peb	Same but much sand.
	75–80		11	"	n	"	Qtz,cht,ool,Ghert,granite,metavolcs,trap,dol. Mch and.Tr at
	80-85	0	n	1 11	17	1 11	Qtz.cht.dol.granite.metavolcs.trap. Mch and. Tr st. cvd s
Ē	85–90	3 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	н	11	- 11	н	Same.
	90 <b>–9</b> 5	9.64	Sand	"	С	Vfn/VC	Much gravel, Trace silt,
Ĺ	95-100		11	"	"	"	Same.
	100-105	0.111.10	<u> </u>	l n	"		<u> </u>
	105-110		н	*	"		
L	110-115		Ħ	Lt yl bn	11	H	Trace silt.
Ĺ	115_120		H	*			Trace granules, silt.
Ĺ	120-125		*	Pale bn	H	"	Same,
L	125-130		<u> </u>	<u> </u>	111	#	
L	130_135		m m	#	17	n	"
L	135-140		11		۳.	#	1
Ĺ	140_145		H	*	<del>  "</del>		
L	145-150		n		n	<u>"</u>	<u> </u>
	150_155		11	Lt yl bn	H	"	Trace silt.
	55-160			, n	<del>  "</del>	***	Trace silt, caved soil.
	160-165				P1	ot .	Trace silt.

Well name Lloyd Mueller Well Prairie du Sac Township

Owner.... Lloyd Mueller

Address.. Route 1 89294 Hwy 78

Prairie du Sac, WI 53578

Driller.. Ace Well Drilling, Inc.

Engineer.

Remarks:

County: Sauk

Completed... 6/8/77

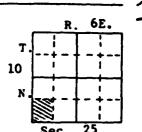
Field check.

Altitude....830' ETM

Use..... Irrigation

Static w.1..83'

Spec. cap... 18.6 GPM/ft



Issued: 8/12/82

LOCATION: NE, NW, NE, NW, SE, SW, SW, Sec. 36, Tron, RGE

Quad. Sauk City 75'

		Dril.	l Hole			Γ	Ca	sing &	Line	Pip	e or Curbing		
Dia.	from	to	Dia.	from	to	Dia.			<del></del>	Dia.		from	to
17"	0	158'					new pipe 3/8 ASTM A53 Grade B	+13"	138'	•	Johnson 35 s screen	ot 138'	158'
Dril:	ling me	ethod:	rota	у			G	rout			<u> </u>	from	to
Samp:	les fro	om O t	172	2 Rec	'd: 7/6	/77		ouddle Gravel				901	90' 158'

Studied by: Teresa E. Handy

Formations: Surface, Outwash

Well tested for 4 hours at 800 GPM with 43 feet of drawdown.

Driller reports total well depth of 158'.

DNR Permanent Well #29746 and Sauk Co. Irrigation # 40.

LOG	OF WELL	:					
	Depths	Graphic	Rock	Color	Gra	in Size	
丄		Section	Туре	COLOL	Mode	Range	Niscellaneous Characteristics
8	0-5	800 101 800 200 200 000 000 000 000 000 000 000 000	Soil	Black	_		Trace organic material.
$g_{\perp}$	5-10	インインテン	Ħ	Dk yl bn			Samé,
	10-15	6800 6888860	Gravel	Mixed		Gran/M peb	Grnt.atz.trp.cht.dol.fossif dol.sts.silcem ss.oolic cht.Ltl sn
╙	15-20	0000000	и .	n	77	n	Same plus trace clay, st
L	20-25	08408489	n	"	n	Ħ	Same plus fossiliferous chert but no colitic chert, clay,
_	25-30	E3200000	H H		11	h	Grnt.qtz.trp.cht.dol.fossif dol.sts.silcem ss.oolic cht.Mch sn
_	30-35	2808 7886	n	n	11	Ħ	Same plus fossif chert, limonite-cemented ss, iron fm. Ltl st
) ∟	35-40		Sand	Lt yl bn	C/VC	Vfn/VC	Little gravel (Gran/S peb), silt,
╵┞	40-45		tr	11		H	Same.
٠ L	45-50	100 Sec. 100 Sec. 100	11	18	VC	W	<b>1</b>
. 느	50-55	, 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	***	11	19	10	
Ĺ	55-60		Ħ	n	H	P	Few granules, Little silt,
	60-65	****	Ħ	#	W	11	Same
: L	65-70	<u> </u>		10	П	11	Little gravel (Gran/S peb), silt.
	70-75		11	10		17	Few granules, Little silt.
· 🗀	75-80		11	Yellow bn	Ħ	•	Same
	BS85		Ħ	91	Ħ	19	Little gravel (Gran/S peb), silt.
	25-90		Ħ		C		Same.
	90-95	28 B 12 C 12 C 12 C 12 C 12 C 12 C 12 C 12	e	PF .			7
	95-100		*	et e			Little silt. Trace granules.
	100-105		H	91			Same.
L	105-110		Ħ		#	11	Few granules, Little silt,
	110-115		#	(4		#	Same
L	115-120	20000000	Ħ	10	VC	Ħ	Little silt, Trace granules,
	120-125		"			19	Few granules, Little silt,
	125-130		Ħ	10			Same,
	130-135	1	"	Lt yl bn	C	Ħ	0
	135-140		*		R	Ħ	Little silt, Trace granules,
	140-145		R	н	- 77	41	Same
	145-150		Ħ	11	PI PI	#	R
	150-155		7	#	R	#	N .
	155-160	PATE	- 11			Ħ	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
							Page 1 of 2

W 1 name: Lloyd Mueller Well

•		Graphic	Rock	Γ	Gra	in Size	<del></del>
_	Depths	Section	Type		Mode	Range	Miscellaneous Characteristics
Out-	165-165		Sand	Lt yl bn	C	Vfn/VC	Little silt. Trace granules.
<u> 16</u>	165-170 170-172			MPLE. Empty			Same.
== ,							
ŀ		İ	E	ND OF L	OG	<u> </u>	
				<del></del>	_	ļ	
1		}					
! <b>!</b>				<del></del>			
		i l					
1							
		<u> </u>					
l	<del></del>			<del> </del>	-		
		.					
1 1					-		
1		į į					
,		ļ			<u> </u>		
		]					
		,					
1 :	<del></del>			<del> </del>	<del> </del>	<del> </del>	
:							
•							
i h		i i		<del> </del>		<u> </u>	
,		j j					
ĺ				<del> </del>		ļ	
į		]					
				<del> </del>	<del> </del>	<b></b>	
1							
					<del></del>		
		}			<u> </u>		
[		İ					
1				<u></u>	士一		
		}					
(							
				<del> </del>	<del> </del>	<del> </del>	
				<del> </del>	<del> </del>	<del>                                     </del>	
		1					
• •		,		•	-	•	Page 2 of 2

#### UNIVERSITY OF WISCONSIN GEOLOGICAL & NATURAL HISTORY SURVEY 1815 University Avenue, Madison, Wisconsin 53706

Log No. Sk-124 Issued: June 1

Well name Melvin Bickford, Well #2

Town of Prairie du Sac

Melvin Bickford

Address..

790 Brdwy, Prairie du Sac, Wis.

Driller.. Sylvester Haupt Engineer.

Owner....

Completed... 6-30-65 Field check.

Altitude.... 820' ETM

Use..... Irrigation

Static w. 1. 50' Spec. cap... 38.4

Quad. Baraboo 15'

County: Sauk

T. 10 N. Sec. 36

Locat	tion:	SW½,SW	ζ, SE ¹ ζ,	, SW ¹ z , NW ¹ z	, SW ¹ 4, N	W4,Sec	. 36,T	10N, R6	E	Quad.	Barat	000 151			_
		Dril!	Hole					Casi	ng & L	iner	Pipe o	r Curbi	ng		
Dia.	from	to	Dia.	from	to	Dia.	Wgt. &	Kind	from	to	Dia.	Wgt.&	Kind	from	to
32"	0	152'					10 ga. 10 ga.			112' 152'					
Gro nat: Gra	ive for	nd mation								•				from 0 100'	100' 152'

Samples from 0

152' to

Date received: 3-8-66

Sample Nos. 262638 to 262667 Examined by: J. Warren

Date: 2-13-67

Formations: Drift

Remarks: Well tested for 10 hrs. at 1,000 gpm with 26 ft. of drawdown, Sample tags give the

following well location: center of NW1, sec, 1, T9N., R.6E.

DNR Permanent Well #29703 & Sauk Co. #4.

F	.OG	OF WELL:		
<del>                                     </del>	103	0-5	1 5	Snd. dk bn & mxd clr. M & C. rnd.Psrtg.tr fn&VC mch org mat & st
1		5-12	7	Snd. mxd clr. C & VC, rnd. F srtg. tr M; ltl fn gvl
		12-22	10	Snd, mxd clr, C & VC, rnd, F srtg, ltl M; tr fn gvl
		22-32	10	Snd. mxd clr. M & C. rnd. F srtg. ltl VC;
1		32-37	5	Snd, mxd clr, M & C, rnd, F srtg, ltl VC & fn; tr fn gvl
D		37-42	15	Snd, mxd clr, M & C, rnd, F srtg, mch VC; tr fn & M gvl
R		42-52	10	Snd, mxd clr, C & VC, Srnd, F srtg, tr M; mch fn gvl, tr st
I	1	52-57	5	Snd. mxd clr. C & VC. rnd. F srtg. ltl M: tr fn gvl
F		57-62	5	Snd. mxd clr, C & VC, rnd, F srtg, mch M, tr fn; ltl fn gvl, tr M
T		62-72	10	Snd, mxd clr, C & VC, rnd, F srtg, ltl M; tr fn gvl
[		72-77	5	Snd. mxd clr. C & VC. rnd. F srtg. mch M. tr fn: tr fn gyl
ı		77-82	5_	Snd. mxd clr. C. rnd. F srtg. mch M & VC:
		82-92	10	Snd, mxd clr, C & VC, rnd, F srtg, 1tl M; 1tl fn gvl & wood
		92-112	20	Snd, mxd clr, C & VC, rnd, F srtg, ltl M; tr fn gvl
)		112-117	5	Snd. mxd clr. C & VC. rnd. F srts. 1tl M: mch fn evl. tr M
}		117-122	15	Snd, mxd clr. C & VC, rnd, F srtg, tr M; mch fn gvl, tr M & st
ŀ		122-127	15	Gvl. mxd clr. fn. ang. P srtg: ltl CoVC snd. ltl M/Vfn & org mat
		127-132 132-137	1-5-	Snd, mxd clr, M & C, rnd, F srtg, ltl fn & VC; tr fn gvl & wood
1		134-13/	<del>                                     </del>	Snd, mxd clr. C, rnd, F srtg, ltl M & VC; tr fn gvl & wood &M gv
	/	137-147	10	Gvl. mxd clr. fn. Srnd. F srtg: ltl C & VC snd Snd. mxd clr. C & VC. rnd. F srtg. tr M: mch fn gvl
	152	147-152	12	Snd. mxd clr, C & VC, rnd, F srtg, tr M; mch fn gvl
				END OF WELL

172'

198'

0

Issued: 2/14/86

172'

name Melvin Nolden Well #1

Town of Prairie du Sac

Owner.... Melvin Nolden

idress.. Route 1 S 9417 Hut 12

Prairie du Sac, WI 53578

Driller.. Sylvester Haupt

Engineer.

County: Sauk

Completed... 10/21/82

Field check. ورج

Altitude.... 825 ETM

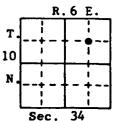
Use..... Irrigation

Static w.1.. 82'

Spec. cap... 50 GPM/ft.

Native Formation

Gravel Pack



LOCATION! NE, SW, SW, SW, SW, NE, NE, Sec. 34, TION, PUE Quad. Sauk Prairie 73'

		Dri 1	l Hole				Ca	sing &	Liner	Pipe	or Curbing		
ia.	from	to	Dia.	from	to	Dia.	Wgt.& Kind	from	to	Dia.	Wgt.& Kind	from	to
32"	0	198'					.250 wall steel Johnson Screen	+13" 178'	178 <b>'</b> 198 <b>'</b>				
· <del>1</del> 1	line m	ethod:				11	G	rout				from	to

'illing method:

Samples from 0 to 190' Rec'd: 3/27/85

udied by:

Tom Hanson (0-115')

Craig S. Schwandt (115'-190')

Formations:

Outwash

...marks: Well tested for 4 hours at 900 GPM with 20 feet of drawdown.

DNR Permanent Well #29775 & Sauk Co. Irrigation #67.

Drill cuttings from Melvin Nolden Well #2 located in center of NW4, sec. 34, T10N, R6E

were received in poor condition and could not be analyzed.

	Donah -	Graphic	Rock	0-1	Gra	in Size	W
١	Depths	Section	Type	Color	Mode	Range	Miscellaneous Characteristics
T	0-5		Sand	Yl brown	M	Vfn/VC	Trace granules, silt.
Γ	5-10		11	Π	-	#	Same.
	10-15		61	77	"	77	n
Γ	15-20		NO	SAMPLE.	Drill	er reports s	ame as adjoining intervals.
Γ	20-25	Section 1	Sand	Y1 brown	М	Vfn/VC	Trace gravel (Gran/L peb), silt.
Γ	25-30		Ħ		Ħ	п	Trace gravel (Gran/S peb), silt, caved organics,
Г	30-35	1	**	Gy brown	С	Ħ	Little gravel (Gran/M peb), silt, caved organics.
Γ	35-40	<b>!</b>	7	Brown	M	N	Much silt, Trace gravel (Gran/S peb), caved organics.
Γ	40-45		*	**	-	#	Same.
Ī	45-50		R	Yl brown	•	**	Trace granules, silt.
r	50-70		NO	SAMPLE.	Drill	r recorts	ame as adjoining intervals.
. [		1 1			1		
;		l V					
<b> </b>	70-75		Sand	Brown	<del>  c</del>	Vfn/VC	Trace gravel (Gran/S peb), silt.
t	75-80		Gravel	Dk brown	Gren	Gran/M peb	
ı	80-85	100000	Ħ	#	H	N	Same plus colitic chert.
۱ ۱	85-90	1250 67	Sand		С	Vfn/VC	Much gravel (Gran/S peb), Trace silt,
٠ ٢	90-95	60000	H	•	-	Ħ	Much gravel (Gran/M peb). Trace silt.
ı	95-100	102 40 OP		*		**	Much gravel (Gran/L peb), Trace silt.
ŀĽ	100-110		NO	SAMPLE.	Drill	r reports s	ame as adjoining intervals.
ŀ	110-115		Gravel	Mxd vl bn	6-2-	Con a Mill a a h	Dol, chert, qtz, trap, volc, granite. Much sand.
ŀ	115-120		OLE A ST	MXQ YI BN			
H	117-120	20 3 10 15 May 20 10		1		Gran/L peb	
ŀ	120-125 125-130	C 50:00	NO NO	SAMPLE,			ame as adjoining intervals.  Same plus silty sandstone.
ŀ	130-135	0.00	Send	Pl brown	C	Vfn/VC	Much gravel (Gran/M peb).
ŀ	135-140	1000000	Gravel				Dol, volc, trap, cht, qtz, grnt, rhyolite, wem ign, Much sand.
	140-145	100	Sand	Mixed Pl brown	D Per	Vfn/VC	Much gravel (Gran/M peb).
	46-147	600000			<del></del>		
	45-150		Gravel	Mixed	S peb	Gran/M peb	
7	150-155	17.0% T	<del></del>		+	<del></del>	Same.
	155-160		₩		. "		L

Well name: Melvin Nolden Well #1

							<u> </u>		
	Depths	Graphic	Rock	Color	Grain Size				
		Section	Type		Mode	Range	Miscellaneous Characteristics		
0	160-165		Gravel	Mixed		Gran/M peb			
Ť	165-170	2000cg			17	17	Same.		
M	170-175 175-180	000000	# #	- "	# H	- 17	Same plus gneiss.		
SH	180-185	0.04.07.5	NO NO	SAMPLE.		<del> </del>	Same. mme as adjoining intervals.		
190	185-190	2020	11	#	Gran	n reports a	Same.		
				END OF	LOG				
] ]						ļ			
i i					<del> </del>	<del>}</del>			
1 1			Sampleswit	missing se	mole be	a teas.			
Į Į	Α	05000	Gravel	Mixed	Gran	Gran/L peb	Granite, dol, chert, trap, volc, wea ign. Much sand.		
l I	В	00000	T .	Lt gray	VLP_	Gran/VL peb	Dol, gneiss, trap, anorthosite, volc, chert, quartz. Much sand,		
	<u>C</u>		Sand	Lt vl bn	M	Vfn/√C	Trace gravel (Gran/M peb).silt.		
1 1	Ē				C	<del></del>	Same.		
1	F	23.5	17		С	"	Same but much gravel (Gran/L peb).		
1 1	G	0.70	Gravel	Mxd rd bn	Gran	Gran/M peb	Dol, volc, granite, trap, sts, guartz, Much sand,		
[	H	0 0 0	n So-al	Mixed	S peb	Gran/L peb	Dol.trap.granite.chert.volc. Trace sand.		
1 1	1	P. 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Sand	Lt yl bn	С	Vfn/VC	Little gravel (Gran/M peb).		
		į		<u> </u>		t ———	<del> </del>		
				ļ					
1 1					<del></del>	<del> </del>			
1 1						<del> </del>			
1 1		]							
1			<del></del>	<del> </del>	<del>}</del>	<del> </del> -			
1 1				<del> </del>		ļ ———			
		ļ							
				ļ					
				<del> </del>	<del> </del>	<del> </del>			
} }					<del>                                     </del>	<del> </del>	<del></del>		
1 1		]							
1 1									
1 1	<del></del>			<del> </del>		<b></b>			
Ιİ			<del></del>		<del> </del>	<del> </del>	<del></del>		
) [				<del> </del>	<del> </del>				
1 1				<del>                                     </del>		<del> </del>			
{ {									
		[		<del> </del>	ļ	ļ			
1 1		]		<del> </del>	<del> </del>	<del> </del>			
) 1									
1		1							
, ,				<b></b>	├	<del> </del>	<b> </b>		
Į Į				<del></del>		<b></b>			
		ļ							
		]		}	<del>                                     </del>	<del> </del>			
		}		<del> </del>		<del> </del>			
		į į							
		Į l		ļ					
		<b>!</b>		1	]		ا مـ و ـ		
r '		•	,	•	•	•	Page 2 of 2		

FRANCIE DU SAC VILLAGE WELL #2 VILLAGE VELL NO. 3, FRAIRIE DU SAC, SAUK CO., WIS.

SELSW: sec. 36, T. 10 N., R. 6 E.

H. A. Platt, Engineer Layne-Northwest Co., Contractors, 1. Samples examined by F. T. Thwaites, Nos. 194632-194664

		<u> </u>	1 6	1	Soil. sendy, plack	75. 17	+022-17	· · · · · · · · · · · · · · · · · · ·
		0-5 5-20	15	.0	Sand, fine to pebbles, yellow-gray			154° hol.
		20-75	55		Gravel, coarse to fine, some sand		_	42" hol 30" pir 16" pir 54 water
ī		75-80 .80-90	5 10	00000	Sand, very coarse, gray Gravel, coarse to fine, some sand		0	0 12" sc:
1		90-110	20		Sand, fine to pebbles, light gray			001102
		110-125	15	0.00	Gravel, medium to coarse, some sand	0	, l	ool screen
		125-140	15		Sand, coarse to very coarse, gray		^1 01	gravel pack
	162	140-162	22		Gravel, medium to fine, some sand	0	1	1001

ed 12 hours at 1200 g.p.m. specific capacity = 170 g.p.m./ft. tional copies may be secured from Wisconsin Geological Survey, Science Hall, Madison 6, Wis.

DNR PERM. # 85911 + SHAK CO. #7.

WELL CONSTRUCTION REPORT

i W	ISCONSIN	Water Quali <i>UNIQUE</i>	WELL	NUM	BER	17	370	g.	Departme	mt of Natural ! Water Supply		16		
O Th	aberth Owner 51	mairie Du Sa	<u>ا</u>	(60	8 643.	-2421			м	Box 7921 adison, WI 537	07			
7 P	560 Park							L Laurette		ase type or print				
C	Ly				35	ale	Zip Code	. ,		_ ,	to I II ave	(طلطعث		
-	Prairie	Du Sac			WI	mpletion.	3578		<u>sirie Du</u> rus Addrus s	Road Name and	Ngmber ill a	ve lable		
Æ 4	Sauk	Permit No. V	T		Deta	16/1	1,91		ver Driv	e				
		uctor (Business N		Registrat	ion 4 1	بساكيان	well location	Subdivis	tos Name	10	Blo	少1		
		-Northwest	<del></del> )	582		in cor	Tect 40-sers	<b>-</b>		SE H of	27.7			
	Address					beros	l of section. N	Gov't La		O N; R 6		] w		
		N5005 DuPla:						a war		☐ Now				
	City Pewaul	***	State VI	ولاي ( 530	Code	w		DR	episcement	_	uction/Raha	bilitati		
	1 E M B C I	kee,	#1	230	72		K	]	of wall cons	structed in 19	56			
					- [	ننا	لنظ			structed, replac		ditates		
				1_				i well?						
		f homes and/or			igh Capadit inh Canada	-	ok Derg ok Dey∑°			raracconc				
		charch, school to	. <del></del>	~L						Point   Jetu	d Other			
		est Point of Proper plain? C Yes	rty, Consi 3 No	etent with	the Ger 9. Down	repont/X	yout and Sur ard Hydrant	roundings?.	17. V	⊒ No Nestewater Squ	ממ			
Distan	ce In Feet From	n Well To Neares		1		•	•			Paved Animal I	-			
	1. Landfill				•••		rain to Clears			Inimal Yard or				
	2. Building Or	_		1			Orain to Sewer 20. 810 - Type							
	. 3. Septic or H . 4. Sewage Ab:			*		•	ng Drain 21. Barn Gutter  Iron or Plastic □ Other 22. Manure Pipe □ Gravity □ Pressure							
	5. Nonconford			1		ig Sewer - Gravity - Pressure - Cast Iron or Plante - Cother								
		te Heating Of Ta	nk				Plantic D Od	her		Other Manure S				
	7. Buried Petr				5. Collec		_		-	ther NR 112 V	Vaste Source	•		
	8. Shoreline'S			1		-	mb		24			=		
Dallipo	la Dimensions From To	Mathod of co	natrocting oplicable		ierged han one.)	9.	Tona Ca		Geology whe Color I	Hardness, Etc.	From (ft.)	To (ft.)		
<u>(ta.)</u>			•-				2770, 04	VIIIDINOIGE	valg, color,	Ter ended there				
_	auriace	153 2 2000		Wems Hos	•		wxiating	well_			aurtac	165		
<u> </u>	75	3. Rotary									160	106		
_		4. Revers	-			22.5	sand & g	ravel			160	186		
2	75   210	5. Cabled  6. Temp.		is_		shale						191		
5}	210 554													
-	210 554 Removed? TYes No						shale & sand stone 191							
1		7. Other					sand sto				1,01	1226		
	Cast	ng, Liner, Serous				- 450	sand sto	ne			191	216		
. (ip.)	Material, Vio A	Weight, Specifics Method of Assem	don hir	From (ft.)	To (ft.)		shale				216	283		
1		bl. p.e. w		surlege	Ţ		sand sto	ne			283	355		
	A-53- 62.	58 1b-Livin	estone	500-12-05	226		1imeston	e			255	453		
		•		1	1		sandston	•			453	550		
		<del></del>		<del> </del>	<del> </del>		pink era			12. Well let	550	554		
ļ					l		ft above		1	_ ~~_	☐ Above			
						<u> </u>	ft. below	ground sur	lace .	<u>12</u>	☐ Below	Grade		
						11. P	amp Test			Developed?	Yes	□ No		
(la.)	screen type en	d material		From	To		ping Level 3			Distributed?	Yes	□ No		
	Geo	nt or Other Scaling	Metadal	<del></del>	<u></u>	Pom	ping at 1700	QIPM for _	4_bours	Capped?	¥ Yes	☐ No		
ethod	Pramia		Ž7081	To	g Secks					te wells prope	by and wit	h seelan		
	and of Sealing	Material	(ft.)	(ft.)	Cement		Yes D }		no, explain					
			surface	210	650	14. 8	Austra of M	ell Constru	( )	rayerhi	Date Signe 6-11-91	rd.		
ERE	cement			1 220	100	Sime	ture of Drill 1	ivest /		1	Date Signs	4		
				1	1		eras Wade			-	6-12-01			

e additional commente on reverse side about geology, etc.



### ABB Environmental Services, Inc.

261 Commercial Street/P.O. Box 7050 Portland, Maine 04112 (207) 775-5401

#### **TELEPHONE MEMORANDUM**

PROJECT NO.: 6853-53	DATE: 2/10/92
CLIENT: USATHAMA	
PROJECT DESCRIPTION: Badges AAP	
BETWEEN: Rod Pendleton	
AND: Russ Kiveney (Strandon Associate	ex Modron WZ)
SUBJECT: Water level in Prairie du Sac	Ne11#2
Mr. Kiveney was the consulting erger	12 H 7
Town of Practice du Sac When h	t holawas
Extense Tacked Mar Kines	f la ma a lal
the aries in sometime in the well	(indicted
on the drilling low from Laure - No	or thurst Co.
Mr. Kiveney, confirmed that the	vater level is
very close to around surface.	
DISTRICUTION	
DISTRIBUTION:	
J. Pickett HP-3F	
J. Buss HP3-F	
c. Walker HP3-B/File 2.56	

#### UNIVERSITY OF WISCONSIN GEOLOGICAL & NATURAL HISTORY SURVEY 3817 Mineral Point Rd., Madison, Wisconsin 53705

Well name Kindschi's Inc. Well #3

Town of Prairie du Sac

Kindschi's, Inc. of Jeterno Kniscy Field check.

Owner.... Route 1 Address..

Prairie du Sac, WI 53587

Driller.. Ace Well Drilling, Inc.

Engineer.

County: Sauk

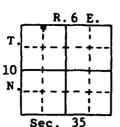
Completed... 2/19/82

Altitude....833' ETM

Use..... Irrigation

Static w.1.. 80'

Spec. cap... 22 GPM/ft.



Issued: 9/13/85

LOCA	rod! N	E, NE, A	Hole	NL; NE,	NW, S	ес. З.	5, 71	0 N.	REC	sing &			e Prairi			
Dia.	from		Dia.	from	to	Dia.	Wgt	.& !		from			. Wgt.&		from	to
18"	0	181'					P.E. U.S. wall	0.3	375 ·	+13"	156'	14"	Johnson Screen slot		156'	181'
Dril	ling m	ethod:	Rotar	У		<u> </u>			G	rout			<u> </u>	·	from	to
Samp	les fr	om 0 1	o 18	0' Rec Schwand		1/83				rill c ravel	-	;s			0 140'	140' 181'

Formations: Surface, Outwash

Remarks: DNR Permanent Well #29779 & Sauk Co. Irrigation #70.

Driller reports total well depth of 181'.

Well tested for 4 hours at 1000 GPM with 45 feet of drawdown.

	Depths	Graphic Section	Rock Type	Color	Gra Mode	in Size	Miscellaneous Characteristics
Sfc	0-5		Soil	V dk brown			Much dark yellow brown sand. Little gravel. Trace silt.
<u> </u>	5-10	CONC.	Gravel	Lt vl bn	Gran	Gran/S peb	Dol,grnt, sch, rhy porph, qtz, cht, ool cht, trap, Mch sand, Tr sil
1	10-15	7000	#	11	#	Gran/M peb	
	15-20	2000	#	11	11	Gran/S peb	
ŀ	20-25	0.0000	Ħ	Bn vellow	#	n	Sndy dolomite, chert, sil cem ss. quartz, trap. Mch sand. Tr silt
l	25-30		н	n	S peb	Gran/M peb	
	30-35	W- 822 OKST			H	#	Dol.cht.diabase.sch.wea igneous.grnt.gtz.ss. Mch sand. Tr sil
	35-40	004000	**	#	Gran	*	Dol.chert.diabase.granite.trap.volc.guartz. Mch sand. Tr sili
1	40-45	1,0000	Ħ	"	- #	Gran/S peb	
_	45-50		Sand	#	C	Vfn/VC	Trace gravel (Gran/S peb), silt.
0	50-55		11	91	"	99	Same,
U	55-60		n	"	17	**	Trace granules, silt,
Т	60-65	1.30	n	n	"	#	Little gravel (Gran/M peb). Trace silt.
-	65-70		n	11	- 11	11	Little gravel (Gran/S prb). Trace silt.
WA	70-75		n	11	**	11	Same,
	75-80		11	- 11	N N	Ħ	ri e e e e e e e e e e e e e e e e e e e
S	80-85		11		n	*	H .
Н	85-90		Ħ	#	11	n	1
**	90-95	3.00		n	11	"	77
	95-100		11	11	H	#	n
	100-105		11	**	17	in .	9
	105-110		11	11	11	11	Ħ
	110-115		11	11	Ħ		Ħ
	115-120			"	#	11	11
	100 105		н	"	Ħ	*	11
	125-130		n	**	11		Much gravel (Gran/S pet), Trace silt,
	130-135	20000	Gravel	11	Gran	Gran/S pet	Cht,ool cht,ls,dol.lim & sil cem ss,Kew volc, gab,trap,qrnt,q
	135-140	1000000	11	n	n		Same plus rhyolite. Mch sand. Ir sil
	140_145	Na No.	Sand	"	l c	Vfn/VC	Much gravel (Gran/S peb). Trace silt.
	145-150	1000000	н	11	17	н	Little gravel (Gran/S pet). Trace silt.
	150-155	00000	n	11	P P		Same.
	155-160	00000	n	*	"	"	Much gravel (Gran/S peb). Trace silt.

name: Kindschi's Inc. Well #3

Г	Depths Graphic Rock Co			Gra	in Size	Miscellaneous Characteristics				
		Section	Type	Color		Range	Miscellaneous Characteristics			
	160_165		Sand	Bn yellow	С	Vfn/VC	Much gravel (Gran/S peb). Trace silt.			
<b>-</b>	165-170	00.00	H	n	"	n	Same.			
	170-175	0.00	11	n n	#	n	W			
5/	175-180	South S. Berlinek			<del>  "</del> -		Little gravel (Gran/S peb). Trace silt.			
<b> </b>			E	ND OF L	OG					
L										
-					-					
┝				<del> </del>	-					
T	<del></del>			İ						
-					ļ					
-				<del> </del>	<del> </del>					
$\vdash$				<del> </del>						
		ł								
$\vdash$				<del>                                     </del>	<del> </del>					
⊢			· · · · · · · · · · · · · · · · · · ·	<del> </del>	<del> </del>	ļ				
卜										
					<del></del>					
┝				<del></del>	ļ					
_				<del> </del>	<del> </del> -					
	· ·				1					
$\vdash$				<u> </u>	<u> </u>					
$\vdash$				<del> </del>	<del> </del>					
-				<del>}</del>	$\vdash$					
	i									
-				<del> </del>	<del> </del>					
$\vdash$	<del></del> i				<del> </del>					
┢					<del>                                     </del>					
-				<del> </del>	<b>├</b> ──					
$\vdash$			<del></del>	<del> </del>	<del> </del>					
$\vdash$		İ		<del> </del>	<del>                                     </del>					
-		<b>!</b>		<del> </del>	<del> </del>	ļ				
$\vdash$			<del></del>	<del> </del>	<del> </del>					
+										
<u> </u>				<del> </del>	<del> </del>					
$\vdash$		ŀ		<del> </del>	<del> </del>					
$\vdash$				<del> </del>	<del> </del>					
F		l			<del>  </del>					
		ľ		ļ	-					
5				<del> </del>	+					
7				<u> </u>	<del>                                     </del>	<u> </u>				
		Į.		1						

OTTY WELL NO. 2; THATRIE DU SAC, WIS.

1147 SEL, Sel, NEl, NEl, SEL, sec. 1, T. 9 N., R. 6 E.

R. C. Amundson, Engineer; Layne-Northwest Co., Contractor

Samples from test well examined by F. T. Thwaites.

	<b>~</b>		Samples from test well examined by F. T. Thwaites,	
_	ALL	772'	City Park 1108. 133555-133.980	
	-	0-5	5 Sand, medium, brown-gray	
		5-15	10 Sand, coarse, light gray, delemitic	
		15-25	10 Gravel, fine, very stony	ine.
		25-35	10 Saind, medium, light gray	
O R I P T		35 <b>-</b> 150	Sand, medium to coarse, seme pebbles at top, light gray, dolomitic  778 80 188 sh 1 screen 130	m pi: utis n
	150		_ · · · · · · .	
(3 · E )		150-170	Sandstone, fine to medium, light gray, dolomitic	
		170-180	10 Sandstone, medium to fine, light gray, dol.	
C	40	180-190	10 Shale, sandy, gray, delomitic	
_				

Formations: Drift (outwash); Eau Claire

Specific capacity of final well = 56 g,p.m./ft.

Log No.Sk-125 Issued: June

🔃 name Melvin Bickford, Well 🧀 #/

Town of Prairie du Sac Melvin Bickford

ner... Address.. 790 Broadway

Prairie " c, Wisconsin

Driller.. Sylveste

Engincer.

County: Sauk

Completed... 7/8/65

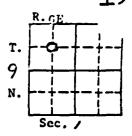
Field check.

Altitude.... 780' ETM

Use..... Irrigation

Static w. 1. __ 79'

Spec. cap... -- 56.0



SESE SU, SW. SE, NO, NW, Sec. 1, TAN, REE

Quad.Baraboo 15'

		Drill	Hole			lL			ng & L	iner I	ipe o	or Curb:	ing		
ia.	from	to	Dia.	from	to	Dia.	Wgt.&	Kind	from	to	Dia.	Wgt.&	Kind	from	to
32"	0	187'				18"	10ga.	steel	+13"	147'					
						18"	10ga.	screen	147'	187'					
Grou	ıt: Ki	nd												from	to
		tive fo		on			•							0 14 <b>0</b> °	140' 187'

Samples from 0 Sample Nos. 262678 to 186'

Date received: 3/8/66

to 262715

Examined by: J. Warren

Date: 2/13/67

Formations: Drift

Remarks: Well tested for 10 hours at 1400 gpm with 25 feet of drawdown. Corrected well depth-187'. Sample tags give the following well location: NW4, NW4, sec.36, T.10N, R.6E.

DNR FROM. WELL & 29TOY & SALK Co. #5.

-			
7.00	G OF WELL:		
Г	0-2	12/	Snd dk bn&mxd clr M&C Srnd VP srtg.ltl fn&V fn:mch org mat.ltl s
	2-5	13/	Snd.dk v1 or&mxd clr.M&C,rnd.ltl fn.V fn&VC:ltl st&cl.trfn gyfcl
	5-10	J 5/	Snd mxd clr M&C rnd P srtg   tt VC & fn: tr st
- 1	10-15	$\sqrt{5}$	Snd. mxd clr. M, rnd. P srtg. mch C & fn. ltl VC: tr fn gyl
Į	15-20	T 5 /	Snd, mxd clr, M & C, rnd, P srtg, Itl VC, tr fn; Itl In gvl
ì			
İ			
<u>.</u>	20-42	22	Snd, mxd clr, M & C, rnd, F srtg, ltl VC;
	<del></del>		10. 1. 10. 10. 10. 10. 10. 10. 10. 10. 1
- 1		1	
. 1	42-57	15	Snd myd oly M & C and P onto 141 VO. 40 -4
	57-62	<del>-   -  </del>	Snd. mxd clr. M & C. rnd. F srtg. ltl VC: tr st
۶	$\frac{57-67}{62-67}$	5	Snd. mxd clr. M & C. rnd. F srtg. tr VC:
1	67-72	15	
1	72-77	5	Snd. mxd clr. M. rnd. F srtg. ltl C. tr fn:
- [	77_82		Snd. mxd clr. M.Sang. F srtg. 1t1 C:
-	115-	<del></del>	E. 19.5 garden and Car, Manager P. St. Ly. 161 Ci
- 1	82-92	ho	End. mxd clr. M & C. Srnd. F srtg. 1tl VC:
1		<del></del>	19 % A 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B 2 % B
ł	Į.	ŧ	
- 1		1	
- 1	92-112	20	Snd, mxd clr, C & VC, rnd, F srtg, tr M: 1tl fn gvl, tr roots
l	112-117	<del>-   5</del> -	Snd. mxd clr. M & fn Srnd. F srtg. 1tl C tr VC.
Ì		<del>                                     </del>	1 Send F Serg, If C FF VC;
1			检查检验///
1	117-132	15	Snd, mxd clr, M, rnd, F srtg, ltl C:
ì		<del>- [ `                                  </del>	o o o o o o o o o o o o o o o o o o o
ļ	132-142	μo	Snd, mxd clr, C, rnd, F srtg, tr M, mch VC;
1	142-147	5	Snd. mxd clr. C & VC. rnd. 1tl M:
1	476-471	<del>-   "                                  </del>	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
1	147-157	ho	in the same and also C 2 VO and D and A 2 VO and D
_	\ <del>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</del>		Snd, mxd clr, C & VC, rnd, F srtg, ltl M; ltl fn gvl
	157-167	þо	Snd, mxd clr, C & VC, rnd, F srtg; mch fn gyl
		<del>-Fi-</del>	100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
$\overline{}$	167-177	ko	Snd, mxd clr, C & VC, rnd, F srtg, tr M; mch fn gvl, tr M & st
- (	177-182	15	Snd, mxd clr. C & VC. rnd. F srtg. tr M: mch fn gvl
2	ś <del>182-186 -</del>	14	Snd. mxd clr. C & VC. rnd. F srtg. tr M: mch fn gvl ltl st & woo
		-	THE THE THE STATE OF THE PROPERTY OF THE WORLD IN STATE OF THE WORLD

PISCO	NSIN GEOLOG	CAL	SURVEY Science Hall, 500 block N. Park St. Madison Wis		og No. Sk-55
ł		BLU	Fryitis Hores, Itio. Weu #1	_	
i		Rade	er Village Development Corp., Baraboo, Nis.		20.1
SE, NIL	AND SWITCE SE	NEZ,	SW2, Sec. 3, T 10N, R 6E, Sumpter Township		20
			C. Fuchs, Driller, May-1960 [ ] 21 6 5		
		Samp	le Nos. 226027-226082 - Examined by M. E. Ostrom		
		511		_	.+12
	0- 5	5	St&Cl.gry bn.dolic cem:tr snd	3	17
	5- 10	_5_	The Kitch are by dollar comilal and	, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998, 1998	10'12"steel
	10- 15	2	bnd, lt yl bn, M&C, Srnd, mch VC&fn, ltl Vfn, mxd	II.	1 12"steel pipe
	15~ 50	35	and, lt yl bn, M&C, Srnd, P srtg, ltl VC&fn, mostly	4	13 3/4"hol
		1	C C	34	3
	Į.	( !		11	<b>[</b>
ן ס				曹	<b>建 43'</b>
R	Į.	į i		ี่ อ	ا در وا
I	50- 55	5	ses Snd, lt yl bn, M&C, Srnd, ltl VC&fn, mostly C; ltl g	n 3	8"steel
F	55- 80	25	Snd, lt yl bn, M&C, Srnd, P srtg, ltl VC&fn, mostly		h bibe
T			C;mch fn gvl	ાં	12
_	į.			id.	- 72'Water L
	<b>!</b>			i,	id to the control in
	80- 85	5	Signalit vi bn M&C. Itl VC∈, mostly qtz: Itl evi	17	1
	85-100	15	Snd, 1t yl bn, M&C, Srnd, P srtg, ltl VC&fn, mostly	ij	17
	İ	ļ !	qtz;mch Vfh gvl	*,	à
	100-105	1 5	5 Sand It vi bn Mac Iti VC&fn mostly atz: Iti gvi	- 3	
ļ	105-110	5	::	tz i	\?! 
- 1	110-120	10	so a set Snd. lt vl bn. M&C. Srnd. P srtg. ltl VC&fn. mostly	. 13	Y '
- [	120-125	<del>├</del> ─ <u></u>	See of the DEZ: mch Vindin gvi		<del> </del>
.	125-130	1 - 2	Snd.lt vl bn. N&C. Srnd.ltl VC&fn. mostly qtz:ltl	BATE	Ni t
-	130-150	20	5 Snd, lt yl bn, M&C, Srnd, P srtg, ltl VC&fn, mostly	Ü	[ ]
į	1 230 250	-	intz;tr Vfn gvl		) j
	•			ä	្រ
	150 160	1.0	Cvi, it yi bn, in&Vin, Sang, P srtg, tr M, mxd; mch	74	1
	150-160	10	snd, mostly qtz	13	7.
1	160-175	15	Gvl, lt yl bn, fn&Vfn, Sang, P srtg, tr M, mxd; mch		
1,75	1	-	snd, mostly qtz; mch cl	3	13
175	175-180		Ss.ol gry M&C Srnd G cem dol & si,mch fn&Vfn	3	<b>3</b>
	180-185	1	/= //bol.gry gn.fn/M.dns.mch snd & cl:mch sh & ss	4	है 180 '
	185-190	5	5s, ol gry, C&VC, F dol & si cem, mch M, ltl fn&Vfn	i	i
	190-195		Ss,ol gry, C&VC, F dol & si cem, mch M, ltl fn&Vfn	1	
<u>.</u>	195-200	<u> </u>	Ss.ol grv. C&VC.F dol & si cem.mch M.ltl fr.&Vfn	i	!
וא	200-205 205-210	5	Sol gry MAC F dol & si cem, mcn M. Itl Inavin	į	
E	210-215		Ss, gry or pnk, C&M, F dol & si cem, mch in, itl Vi	1	7 7/001 -1 -
E	215-220	5	Ss.grv rd.M&C.G dol & si cem.mcn fn.ltl VC:tr		7 7/8"hole
S	220-230	10	Ss,gry or pnk,M&C,Srnd,P srtg,G dol & sl,mch fn ltl VC,tr Vfn;mch dol:few granules	ļ	!
B	230-235	5	pol, ol grý, fn&Vfn, dns, V sndy & sty; ltl gry rd	its !	!
A	235-245		/-/-/ Dol.gry or pnk, fn&Vfn, dns. V sndy & sty: Itl gry		
E S B A C		<u> </u>	//rd sts; few granules	1	
H	245-250 250-265	1 1 2	So Vit ol cry. C&M. F dol & si cem. mch VC & fn	1	i
1 1	250-205	"	ind with		1
90	ol .	1		ì	1
P	265-280	15	۲٫۰٫۰٫۰٫۰٫, Granite	• }	1 · · · · · · · · · · · · · · · · · · ·
c 19	;		% # # # # ### A A X X X X X	i	280'
-	<del></del>			<u>i</u>	

Pormations: Drift, Dresbach, Precambrian
Well tested for ½ hr. at 200 gpm with 78 ft. of drawdown. Specific capacity = 2.5 gpm per ft.
of drawdown.

DNZ ARM. WELL #85830 + SAUK Co. #2.

		•	ST	mer Vius	to£ bieu ≠/ ty Winch, Mazomanie, Wis.			
- 1		OWN KE:	Tho	mas & Beti	y Winch, Mazomanie, Wis.			21
14		אוען איל, אוין איל,	SET.	,SW2, Sec.	10,T 10N, R 6E Driller - 9-24-64	860' ETM		~-
					, Driller - 9-24-04 251995-252045, Examined by M.E. Ostro	un - 2-18-64		
		·		<del></del>		1 10		<del>+14"</del>
- 1		0-10	10	グイズへ	St, Myl rd bn, P; Si, mch snd, cl	1 023		ž.
- 1 1		10-20	1 .	1	Snd, mxd, M, C, Srnd, Psrtg, tr fn, Vfn, VC,	MgvI		8
-		10-20	1 10	· · · · · · · · · · · · · · · · · · ·	Sita, mxd, ri, c, Stita, r Siteg, cr in, vin, vc,	CIVIN, IN KVI		12"Pipe
-		20-40	20		Snd, mxd, M, C, Srnd, Psrtg, tr fn, Vfn, VC,	trVfn,fn	•	lij
11		·				gv1		
				0		gyl,st		¹ 40 '
-		40-50	10	Ž	Snd.mxd.M.C.Srnd.Psrtg.tr fn.Vfn.VC.	trVfn.fn		1
1:-		50-65	15		Snd, mxd, M, C, Srnd, Psrtg, tr fn, Vfn, VC,	mch st,cl		
L			<del> </del>					·
1		65-80	15		Snd, mxd, C, VC, Srnd, Psrtg, trM			
1,,	1		L					
V		80-90	10		Snd.mxd.C.VC.Srnd.Psrtg.trM.trVfn gv		_	85 Water Lul
- 1			1		Dita , moral, 0, vo, billia, 2 bill, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia, 2 billia,			j
m								01104
			l					8"Pipe
		90-135	45		Snd, mxd, C, VC, Srnd, Psrtg, trM, trVfn gv	l, fn gvl		<b> </b>
1.				1 :				
- 1		•	]	<b>.</b>				
'	'	135-140	┞		Snd, mxd, C, VC, Srnd, Psrtg, trM, mchVfn, f	n evi		
1.		140-145	5		Snd. mxd. C. VC. Sang. Parts. trM. fn. mchVf	n, fn gyl		
1		145-150			Snd, Vlt yl, M. fn, Srnd, Partg, tr sang, C	VC Vin gyl		
		150-165	15		Snd, mxd, C, VC, S nd, Psrtg, trM, mchVfn, f	n evl		
14						_		}
		165-170	>		Ss. Vit yl, M, fn, Srnd, Psrtg, trC, mch"ca	vea		¹ 170'
1		170-180	10		Ss.1t v1.M.rnd.Gsrtg.trC		· '	l
							1	1
-		180-215	35	· · · · · · · · · · · · · · · · · · ·	Ss,lt yl rd,M,rnd,Gartg,Dolc:F,trC,f	n Ven	] 1	I
	•	160-213	رد		ss, it yi id, n, ind, dsitg, boic.r, tid, i	, v. u	}	1
			[					J
E								Ì
		215-220	\ <u> </u>		Ss. lt vl.M.rnd.Fsrtg.Dolc:F.trC.fn.V	'fn		1
		770-771			Mas the Yashis tillian at the state			•
Α		225-235	10		Ss, Myl, M, rnd, Fsrtg, trC		ı	
10		235-245	10	<u>  : : : : : : : : : : : : : : : : : : :</u>	Ss.Myl.M.rnd.F rtg.trC.fn		١,	1
[ ]			10	1	No Sample			•
		245-255 255-260	5		Ss. It vi.M.C. rnd. Partg. Dolc: P. tr fn.	Vin.tr calc	1	•
		260 - 265 265 - 270	15	1 * • * • * • * • * • • • • • • • • • •	(Ss lt vl.M C rnd.Psrtg.Dolc:P.tr fn.	Vfn.tr calc '		L
1	105	265-270	5		Ss. lt yl, M, C, rnd, Dolc: P, tr fn, Vfn, tr	caic, mch\$t	L	270'

Formations: Alluvium, Dresbach

Well tested for 6 hrs. at 210 gpm with 55 ft. of drawdown. Specific capacity = 3.8 gpm per ft. of drawdown.

DNR Permanent Well #85810 & Sauk Co, Miscellaneous #5.

# Formerly E.L.PHILIPP WELL, SAUK CO.

NW, NW, SE NW. SWSW 14, NE 14, Sec. 15, 10-6 E

(22

L.P. O'Connors, Driller Completed Jan, 1922 Elevation 859' ETM

Samples examined by F.T. Thwaites, U.W. Nos. 54347-54445,54485-91.

:						
$\neg$		0-8		Seil & brown elev (100m)		H
ı	- 1	8-65		Sand, coarse, gray, poboles to 3/2"		N.
	1	0-60				
1	- 1					- 45 erresningen
- 1	1				- I	-pround weter
ı I		4.5.30		General Manage on the Hender	4	Acoust make
-		65.70	TANKS WITH	Gravel stones to ha Water		
. !	- 1	70-95		Sand, medium to course, yellowish gray, calcer.		1
DRIFT		95-106		7ill, yellowish eray, sandy		-8"casing
	_ I	106-109	0.00	Sand, coarse, ye llowish gray		
		109-115		Till like above		ii .
=		115-125	40 60	Gravel, gray, coerse		II .
		125-140		Clay, gray, very calcareous		A
_		140-150		Sana, course to medium, light yellowish gray		h
	1	150.155		CIRY 1184 125-140		ll .
		155-170		sand coarse to mediam, light yellowish gray	1 12	11
1	100	180-190		Sand, fine, eray (non- elacial)		مود
	170	180-190		Jand, very coarse, gray, glacial	į <b>–</b>	Bres.
		190-225		Shale, green, very calcareous; sands tone, fine,	1 1	1
		//0-265		yellowish gray, hard, calcareous	i y	al a cias a
w.					1 7	-6" limer
$\overline{}$		225.270		Sandstone, medium to fine, light ye Howish	1 2	
		243 270		gray, calcareous	1 7	x8"hole
<b>-</b>		ì			1 7	1
₹,		l			1 1	1
		330 300		Sandstone, medium, yellow, "running"	1 1	<b>E</b>
CLAIR		270.285		Shale, bluish gray, calcareous		1
	1	285-310	7	Control of the same warres and for sa free	1 1	
$\boldsymbol{\mathcal{Z}}$	•	310 315		Sandstone, very fine, It gray, very saaley, calcer.	1 4	I
•	·	3/5-350		Shele, bluish gray, celeareous.		Ę.
EAU		10.0		,	1 3	: <b>E</b>
_	160	i		·		
<del></del>		350.360		Sandstone medium, light yellow, calcamons.	] [	<b>.</b>
	1			Strato, greenish, brownish & bluish gray,		
٠.	Ì	360.425		part sandy, mainly salcareous.	1 1	
*		! .		/ warmy	J	perser
	1	ì			1 ;	\$
	ł	1			1 [	ì
	l	l			1 1	ì
	1	425-440	100	Sandstone, fine, gray, much pyrife, calcareous	1 :	1
SIMON	l	440-445		Shale pinkish gray, calcareous	1 !	ì
	ſ	445-455		Dolomite, gray, s nally, sandy, pyrite spheres	4 ;	1
$\overline{\lambda}$	I	455.460		Shale life 440-445	4 !	i
	1	460. 475		Sondstane course light rellevish gray, careeres	4 1	1
	i	475.485		Standstone, fine, light vellowish gray, calcareous	4 i	i
<b>X</b>	1	485-490	1	Shalo 1140 440-445	4 - 1	<u> </u>
3	ł	490-520		Sandstone, very fine to medium, gray, calcarees		1
-	4 .i ·	777 740		1	4 !	i i
	t	444		Carelamorate arev bink quartzite bebbles-	i i	1
	1/90	520-540=		Conglomerate gray, pink quartzite pebbles-	4!	į
=	1			Granite, gray, upper part decomposed, red	1 1	1
	1	540± -	1 4 4 4 4 7 7		1 !	565
2	l	625	1 × 2 × 2 + 2 7	<b>1</b>	1	
~	1	1	124 47 7	!	1 1	
J	•	(	1777+274	· ·	į į	l į
	1	1	1 * * * * * *	1	1	+ 6"hore
				1		
PRECAMB	85	ì	ST F	· ·	1 1	

RAVINE MEMY AMM UNITION FUNDT WELL #5.

Layne-Northwest Co., Contractors, 1942

NE, SE, NE, SE, NUI BE, NEEL Sec. 14, T. 10 N., R. 6 E. Dievation 500 960' ETM 23
Samples examined by F. T. Thwaites, Nos. 115033-115141

,		,						~
		0-5	15/	********	Silt, black			
	Ţ	5-10	5		Gravel, fine, sandy, yellow-brown, leached	•	l l	
	]	10-20	المتلا		Grevel, fine, sandy, light gray		.	
1	,	20-60	40		Sand, coarse to medium, light gray		•	•
	Ī	60-75	15	0.00	Gravel, coarse, stoný			65 teter
		75-85	10					12" drive
ы	ļ	85-45	10		Gravel, coarse, stony	, i		pip _e
ii I		95-130	35		Sand, medium to very coarse, some pubbles, light gray			re
~ T		130-140	10	0.000	Gravel, coarse, stony		! i	
` 	İ	140-190	50		Sand, course to medium, light gray			
•	- 1	190-195	13		Gravel, fine, sandy, silty (till?)			
		195-200	15		Gravel, fine, very sandy			
1	İ	200-230	30		Send, coerse to medium, light gray			
ī	ارد			<u>  • • • • • • • • • • • • • • • • • • •</u>				
_	***	230-240			Gravel, sendy		i I	245
1	1	240-250 250-260			Sandstone, fine to medium, white to it.gray			- 1247
[		260-270	1		Sandstone, fine to madium, lt.yellow-prey in sample, 200-202; Ss., line, gray, col.		. ,	
'		270-205	15		Siltstone, gray, dolomitic		,	
		285-350			Shale, silty, dark gray, dolomitic	Ì	•	
							, ;	
ات			!		` '	1	,	
$A_{i}$			ł			١.		
U			<u> </u>			1	, ,	
ار		350-370	20		Siltstone, light gray, dolomitic		•	
C L		370-390	20		Sendstone, fine to silty, gray, dolomitic	,	, <b>.</b>	
Ä		390-450	60		Siltstone, light gray, dolomitic; shale, dark gray, dolomitic; no sample 420-425	1	•	
ā S				1		1	, 1	
; ;	_45	450-485	35		Siltstone, light gray, slightly dolomitic			•
		485-495	10		Sandstone, silty to coarse, light gray	1	' ' <b>,</b>	
16.00	لہ	495-515	20		Conglomerate, quartzite pebs. in ss like above	1		
- 1	35	515-520	15		Conglomerate, quartzite pebs. in ss, fine-crs.	1	•	
٦		520-540	20	* * * * *	Granite, gray, decomposed	(	•	
	33	540-553	13	-1:1-7:1	Granite, pink with some quartzite inclusions	1	, ;	-

Formations: Drift (glacial outwash); Eau Claire (base may be at 370); Mt. Simon; pre-Cambrian (granite intruding quartzite)

T: ted at 602 g.p.m. specific capacity = 6.35 g.p.m.

BANGER ARMY ATMINIAU, THE PLANT LIEL FOR

Leyne-Northwest Co., Contractors, 1942
Semples examined by F. T. Thwaites, Nos. 114995-115032

7	0-5	15	45.45.45.5	Spil. clay. black		
-	5-10	5		Till. yellow-gray. leached	]	
	10-20	10		Gravel, course, sandy	]   [	
	20-25	5	10:01	Till, yellow-gray, dolomitic	1   1	
	25-45	20		Gravel, fine, much quartzite, mostly stony		. •
- [	45-50	5	10 10 13 101	Gravel. fire. candy	1 1 1	
٦	45-50 50-55	13		Send. peoply. gray. dolomitic	<b>†</b>	
1	55-60	1.5		Gravel, fine, sendy	]	•
D	60-95	35		Sand, coarse, light gray, glacial		12" drive
_		1		•	1 1:1	
R		1			1 1 1	pipe
I	•					90 water
F					4 ) )	•
T	95-105	10	1.0,01	Till, sandy, yellow-gray, dolomitic	1 1 1	
	105-115	10		Sand, fine to coarse, light gray, glacial	1	
	115-130	15		Clay, light pink, dolomitic	1	
	113-130	17		CIEY, IIght pink, dolomitte	1 1 1	
	130-135	5		Sand, very fine to medium, gray, dolomitic	1 1 1	
	135-150	15		Gravel, fine, sandy	]	
	-35 -50	~			1 1 1	
11	150-155	5		Sand, corrae to medium, light gray, glacial	itt	
	355-170	15	00000	Gravel; medium to coarge, stony	7	
		1	0.000	neminal minimum of animaria and animaria	1 1 1	300
1	370 395	1.0			1 7 - 7	— 170 Tarma Kayata
	170-185	15	6 6 6	Gravel, fine to coarse, some sand		Layne Keysta:
,,	30	1	-		1 ! !	shutter scre
776	39 185-189	-4-		Gravel, fine, come sand	<u> </u>	

Tested at 302 g.p.m. specific capacity = 60.4 g.p.m.

BELL NO. 3, BADGER OF DHANCE FORKS, SAUK CO., WIS.

Layne-Northwest Co., Contractors, 1942

Samples examined by F. T. Thwaites, Nos. 114551-114640 SE, Su; NE, Su; NE, Ni; Ni; Sec. 2, T. 10 N., R. 6 E. Elevation 864 867' ETM

109   65-109   44     Sand, medium to fine, light gray     Sand, medium to fine, light gray     109-115   6     Conglomerate, quartzite, quartzite pebbles   115-120   5     Conglomerate, more fine to medium, yel-gy ss.   120-130   10     Sandstone, fine to medium, light brown   130-140   10     Sandstone, fine to medium, light gray     Sandstone, fine to medium, light gray     Sandstone, fine to medium, light gray     Sandstone, fine to medium, light gray     Sandstone, fine to medium, light gray     Sandstone, fine to medium, light gray	•
R 10-15 5 Sand, medium to fine, light brown-gray 15-20 5 Sand, coarse to fine, light gray 20-35 15 Sand, medium to very sandy 35-55 20 Sand, medium to very coarse, light gray 65-109 44 Sand, medium to fine, light gray 109 Sand, medium to fine, light gray 109 Conglomerate, quartzite, quarts pebbles 115-120 5 Sandstone, more fine to medium, yel-gy ss. 120-130 10 Sandstone, medium to fine, light brown 130-140 10 Sandstone, medium to fine, light gray 160-155 5 Sandstone, fine to medium, light gray 160-155 5 Sandstone, fine to medium, light gray 160-155 5 Sandstone, fine to medium, light gray 160-155 5 Sandstone, fine to medium, light gray 160-155 5 Sandstone, fine to medium, light gray 160-155 5 Sandstone, like above; pebbles pink quartzite	•
Send, coarse to fine, light gray  20-35 15  35-55 20  Sand, medium to very coarse, light gray  55-65 10  65-109 44  Conglomerate, quartzite, quarts pebbles  109 Conglomerate, more fine to medium, yel-gy ss.  120-130 10  Sandstone, fine to medium, light brown  130-140 10  Sandstone, fine to medium, light gray  Sandstone, fine to medium, light gray  Sandstone, fine to medium, light gray  Sandstone, fine to medium, light gray  Sandstone, fine to medium, light gray  Sandstone, fine to medium, light gray  Sandstone, fine to medium, light gray  Sandstone, fine to medium, light gray  Sandstone, fine to medium, light gray  Sandstone, fine to medium, light gray  Sandstone, fine to medium, light gray  Sandstone, fine to medium, light gray  Sandstone, fine to medium, light gray  Sandstone, fine to medium, light gray  Sandstone, fine to medium, light gray  Sandstone, fine to medium, light gray	
Send. coarse to line, light gray  20-35 15	
35-55 20	
Gravel, fine, sandy  65-109 44 Sand, medium to fine, light gray  109 Conglomerate, quartzite, quartz pebbles  115-120 5 Sandstone, fine to medium, yel-gy ss.  120-130 10 Sandstone, fine to medium, light brown  130-140 10 Sandstone, fine to medium, light gray  Sandstone, fine to medium, light gray  Sandstone, fine to medium, light gray  Sandstone, fine to medium, light gray  Sandstone, fine to medium, light gray  Sandstone, fine to medium, light gray  Sandstone, fine to medium, light gray	• . • .
65-109 44 Sand, medium to fine, light gray  109 Conglomerate, quartzite, quartz pebbles  115-120 5 Conglomerate, more fine to medium, yel-gy ss.  120-130 10 Sandstone, fine to medium, light brown  130-140 10 Sandstone, medium to fine, lt.gy; peb. qz.  Sandstone, fine to medium, light gray  150-155 5 Sandstone, like above; pebbles pink quartzite	rive pir
109 Conglomerate, quartzite, quetz pebbles  115-120 5 Conglomerate, more fine to medium, yel-gy ss.  120-130 10 Sendstone, fine to medium, light brown  130-140 10 Sendstone, medium to fine, to geb qz.  Sendstone, fine to medium, light gray  150-155 5 Sendstone, like above; pebbles pink quartzite	
109 Conglomerate, quartzite, quats pebbles  115-120 5 Conglomerate, more fine to medium, yel-gy ss.  120-130 10 Sandstone, fine to medium, light brown  130-140 10 Sandstone, medium to fine, light peb qz.  Sandstone, fine to medium, light gray  150-155 5 Sandstone, like above; pebbles pink quartzite	•
109-115 6 Conglomerate, quartzite, quats pebbles  115-120 5 Conglomerate, more fine to medium, yel-gy ss.  120-130 10 Sandstone, fine to medium, light brown  130-140 10 Sandstone, medium to fine, lt.gy; peb. qz.  140-150 10 Sandstone, fine to medium, light gray  150-155 5 Sandstone, like above; pebbles pink quartzite	ter
115-120 5 ::::: Conglowerate, more fine to medium, yel-gy ss.  120-130 10 ::::::: Sandstone, fine to medium, light brown  130-140 10 :::::::: Sandstone, medium to fine, lt.gy; peb. qz.  140-150 10 ::::::: Sandstone, fine to medium, light gray  150-155 5 ::::: Sandstone, like above; pebbles pink quartzite	.004
115-120 5 Conglowerate, more fine to medium, yel-gy ss.  120-130 10 Sandstone, fine to medium, light brown  130-140 10 Sandstone, medium to fine, lt.gy; peb. gz.  140-150 10 Sandstone, fine to medium, light gray  150-155 5 Sandstone, like above; pebbles pink quartzite	
120-130 10 ( Sendstone, fine to medium, light brown 130-140 10 ( Sandstone, medium to fine, lt.gy; peb. qz.  140-150 10 ( Sandstone, fine to medium, light gray 150-155 5 (Sandstone, like above; pebbles pink quartzite)	
140-150 10 Sandstone, fine to medium, light gray 150-155 5 Sandstone, like above; pebbles pink quartzite	
150-155 5 Sandstone. like above: pebbles pink quartzite	
	<b>)</b>
Sancstone, medium to fine, light pink	
165-175 10 Sandstone, fine to medium, light gray	
175-180 5 Siltatone, light gray, dolonitic	
Siltstone like above: pebbles quartrite	
185-195 10 Siltatona, gray, dolomitic	
Sandstone, Very fine, vellow-gray, dol.	າດໂຄ
200-240 40 Sandstone fine to silty light gray dol.	1010
A 250-265 15 Sandstone, fine to silty, light gray, dol.	
265-285 20 Siltstone, gray, dolomitic; ss, fine, lt.gy.	
	•
285-295 10 Siltstone, It gray, dol., pebs. pink qz.	
295-310 15 Siltstone, light gray, dolonitic	
310-330 20 Siltstone, gray, light pink, dolomitic	
0.00 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 pp. 100 p	
330-340 10 Siltstone like above: conglomerate, pink	•
340-390 50 50 onglomerate, pebbles quatz and quartzite in	
sandstone, coarse to fine, pink, dolomitic	
sandstone, coarse to line, plink, dolomitele	
390-430   40 Siltstone, red to pink, some quartzite	
pebbles	
321	
430-451 211 s - Grenite, nink, fine-grained	
6 21 75 72 22 7, 7, 1 0. milety plant, 1240-grazinos	

'ormations; Drift, glacial outwash; Eau Claire; pre-Cambrian Tested at 140 g.p.m. specific capacity = 1.73 g.p.m.

#### BRIEFIE REAL MANUATION FLANT WELL #1

WELL TO. 1, BADCER ORDHANCE WORKS, SAUK CO., WIS.

Samulas avanished by T. Samulas avanished Rolling Res (Administration Area)

Lason and Hanger Co., Engineers; Layne-Northwest Co., C

mainly quartz grains    93-132   39   30   30   30   30   30   30   30						readn and named too, restricted traine-north			
Soll, black and clay, brown, leached  5-25 20 Soll, black and clay, brown, leached  25-58 33 Soll, black and clay, brown, leached  Send, very coarse to medium, yellow-brown  58-93 35 Sand, medium to fine, light gray, dolomitic, mainly quartz grains  93-132 39 Soll, black and yearty grains  16° steel pipe  132-172 40 Sand, coarse to fine, light gray, dolomitic (water)  Sand, coarse to fine, light gray, dolomitic (water)  Sand, coarse to fine, light gray, dolomitic (water)  Sand, coarse to fine, light gray, dolomitic (water)  Sand, coarse to fine, light gray, dolomitic (water)  Sand, coarse to fine, light gray, dolomitic (water)  Sand, coarse to fine, light gray, dolomitic (water)  Sand, coarse to fine, light gray, dolomitic (water)  Sand, coarse to fine, light gray, dolomitic (water)  Sand, coarse to fine, light gray, dolomitic (water)  Sand, coarse to fine, light gray, dolomitic (water)  Sand, coarse to fine, light gray, dolomitic (water)  Sand, coarse to fine, light gray, dolomitic (water)  Sand, coarse to fine, light gray, dolomitic (water)  Sand, coarse to fine, light gray, dolomitic (water)  Sand, coarse to fine, light gray, dolomitic (water)  Sand, coarse to fine, light gray, dolomitic (water)  Sand, coarse to fine, light gray, dolomitic (water)  Sand, coarse to fine, light gray, dolomitic (water)  Sand, coarse to fine, light gray, dolomitic (water)  Sand, coarse to fine, light gray, dolomitic (water)  Sand, coarse to fine, light gray, dolomitic (water)  Sand, coarse to fine, light gray, dolomitic (water)  Sand, coarse to fine, light gray, dolomitic (water)  Sand, coarse to fine, light gray, dolomitic (water)  Sand, coarse to fine, light gray, dolomitic (water)  Sand, coarse to fine, light gray, dolomitic (water)  Sand, coarse to fine, light gray, dolomitic (water)  Sand, coarse to fine, light gray, dolomitic (water)  Sand, coarse to fine, light gray, dolomitic (water)  Sand, coarse to fine, light gray, dolomitic (water)  Sand, coarse to fine, light gray, dolomitic (water)  Sand, coarse to fine, light gray	•	. , +	7/9' =	7.	1	Samples examined by F. T. Thwaites, Nos. 11			
25 -58 33	П		0-5	5	<u> </u>	Soil, black and clay, brown, leached		<u> </u>	1
Sand, medium to fine, light gray, dolomitic, mainly quartz grains  93-132 39 35 Cravel, sandy (vater)  132-172 40 Sand, coarse to fine, light gray, dolomitic (water)  199 172-176 4 Send, very fine to cilty, light gray, dolomitic (water)  199 172-176 4 Send, very fine to cilty, light gray, dolomitic (water)  199 172-176 4 Send, very fine to cilty, light gray, dolomitic (water)  199 172-176 4 Send, very fine to cilty, light gray, dolomitic (water)  199 172-176 4 Send, very fine to cilty, light gray, dolomitic (water)  199 172-176 4 Send, very fine to cilty, light gray, dolomitic (water)  199 172-176 4 Send, very fine to cilty, light gray, dolomitic (water)  199 172-176 4 Send, very fine to cilty, light gray, dolomitic (water)  208 208 215-235 19 Send, dolomitic (water)  215-235 19 Send, dolomitic (water)  228-306 6 Send, very coaree to fine, light gray, dolomitic (water)  235-245 30 Send, dolomitic (water)  345-345 30 Send, very fine, light gray, dolomitic (water)  345-345 10 Send, light gray, dolomitic (water)  220 26-315 10 Send, light gray, coaree to fire, pirk, dolomitic (water)  220 26-315 10 Send, light gray, coaree to fire, pirk, dolomitic (water)  220 26-315 10 Send, light gray, coaree to fire, pirk, dolomitic (water)  220 26-315 10 Send, light gray, coaree to fire, pirk, dolomitic (water)  220 26-315 10 Send, light gray, coaree to fire, pirk, dolomitic (water)  220 26-315 10 Send, light gray, coaree to fire, pirk, dolomitic (water)  220 26-315 10 Send, light gray, coaree to fire, pirk, dolomitic (water)  220 26-315 10 Send, light gray, coaree to fire, pirk, dolomitic (water)  220 26-315 10 Send, light gray, dolomitic (water)  221 26-315 10 Send, light gray, dolomitic (water)  222 26-315 10 Send, light gray, dolomitic (water)  223 25 26 27 28 28 28 28 28 28 28 28 28 28 28 28 28			5 <b>-</b> 25	20					]
mainly quartz grains  93-132 39 6 6 6 7 Sunda (vater)  109 172-176 4 7 Sunda (vater)  119 172-176 4 7 Sunda (vater)  120 172-176 4 7 Sunda (vater)  120 172-176 4 7 Sunda (vater)  120 172-176 4 7 Sunda (vater)  120 172-176 4 7 Sunda (vater)  120 172-176 5 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172-176 6 Sunda (vater)  120 172			25 <b>-</b> 58	33		Gravel, very sandy		•	
132-172 40 Sand, cearse to fine, light gray, dolomitic (water)  199 172-176 4 Send, very fine to silty, light gray, dol.  199 175-306 2 Send, very fine to silty, light gray, dol.  217-221 Send, very fine to silty, light gray, dol.  217-221 Send, very fine to silty, light gray, dol.  218-235 19 Sendstone, rely fine to silty, literary, dol.  218-235 19 Selectione, gandy, literary, dolemitic  235-298 63 Shale, dark gray, dolomitic  235-298 63 Shale, dark gray, dolomitic  235-306 C Sendstone, very coarse to fine, litery, dol.  235-306 C Sendstone, fine, light gray, dolomitic  345-35 30 Sendstone, very fine, light gray, dolomitic  345-35 10 Sendstone, very fine, light gray, dolomitic  345-35 10 Sendstone, very coarse to fire, pirk, dol.  220 65-405 20 Siltstone, red, slightly dolomitic  220 65-405 11 Sendstone, red, slightly dolomitic	RI		<i>5</i> 8 <b>-</b> 93	35					68 Water
172-176	f		93-132_	39		Gravel, sandy (water)			· ·
Cley, earl gray, colonitic    175-201   2			132-172	40					
Schedene, very fine to silty. Hegray, dol.   201-207		300	172-176	4		Sand, very fine to silty, light gray, dol.	, 1		1
208  201-209  201-211  216-235  19  Siltatone, sendy, It.vellow-cray, dolcaitic  216-235  235-298  63  Shale, dark gray, dolomitic  Soundstone, very coarse to fine, lt.sy, dol.  Soundstone, fine, light gray, dolomitic  315-345  30  Sandstone, very fine, light gray, dolomitic;  siltatone, light gray, dolomitic  345-365  30  Shale, dark gray, silty, dolomitic  345-365  365-375  10  Shale, dark gray, silty, dolomitic  365-375  365-375  365-375  375-385  385-405  20  Siltatone, light gray, sendy, dolomitic  Soundstone, very coarse to fire, pirk, dol.  385-405  20  Siltatone, red, slightly dolomitic  Sandstone, red, slightly dolomitic  Sandstone, red, slightly dolomitic  Soundstone, red, slightly dolomitic  Soundstone, red, slightly dolomitic  Cos-219  14  Sandstone, red, slightly dolomitic	$\vdash$	199		اخمر					}
216-235 19 Siltstone, light gray, very dolomitic  235-298 63 Shale, dark gray, dolomitic  235-298 63 Shale, dark gray, dolomitic  235-306 6 Shale, dark gray coarse to fine, lt.rv. dol.  305-315 9 Sandstone, light gray, dolomitic  315-345 30 Sandstone, very fine, light gray, dolomitic; siltstone, light gray, dolomitic  345-365 20 Shale, dark gray, silty, dolomitic  365-375 10 Sandstone, very coarse to fire, pirk, dolomitic  365-375 10 Sandstone, very coarse to fire, pirk, dolomitic  385-405 20 Siltstone, red, slightly dolomitic  220 405-419 14 Sandstone, ciltural madian, light gray, sands, pirk, dolomitic			1303-504 1303-504	1 8					L208
216-235 19 Siltstone, light gray, very dolomitic  235-298 63 Shale, dark gray, dolomitic  235-298 63 Shale, dark gray, dolomitic  235-306 6 Shale, dark gray coarse to fine, lt.rv. dol.  305-315 9 Sandstone, light gray, dolomitic  315-345 30 Sandstone, very fine, light gray, dolomitic; siltstone, light gray, dolomitic  345-365 20 Shale, dark gray, silty, dolomitic  365-375 10 Sandstone, very coarse to fire, pirk, dolomitic  365-375 10 Sandstone, very coarse to fire, pirk, dolomitic  385-405 20 Siltstone, red, slightly dolomitic  220 405-419 14 Sandstone, ciltural madian, light gray, sands, pirk, dolomitic			20:-21		,	Simistone, sandy, It. vellow-gray, dolomitic		1	1
298-306 6 Sendstone, very coarse to fine, lt.sy, dol. 306-315 9 Sendstone, fine, light sy, dol., water 315-345 30 Sandstone, very fine, light gray, dolonitic; siltstone, light gray, dolonitic 345-365 20 Shale, dark gray, silty, dolonitic 365-375 10 Siltstone, light gray, sendy, dolonitic 375-385 10 Sendstone, very coarse to fire, pirk, dol. 385-405 20 Siltstone, red, slightly dolonitic 220 Cos-410 12 Sendstone, ciliu in magine, light gray, shale, were sendy to shale, were sendy to shale, were sendy to shale, were sendy to shale, were sendy to shale, were sendy to shale, were sendy to shale, were sendy to shale, were sendy to shale, were sendy to shale, were sendy to shale, were sendy to shale, were sendy to shale, we shale to shale the shale to shale the shale to shale the shale to shale the shale to shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shal			216-235	19		Silustone, light gray, very dolomitic		ı	t
298-306 6 Sendstone, very coarse to fine, lt.sy, dol. 306-315 9 Sendstone, fine, light sy, dol., water 315-345 30 Sandstone, very fine, light gray, dolonitic; siltstone, light gray, dolonitic 345-365 20 Shale, dark gray, silty, dolonitic 365-375 10 Siltstone, light gray, sendy, dolonitic 375-385 10 Sendstone, very coarse to fire, pirk, dol. 385-405 20 Siltstone, red, slightly dolonitic 220 Cos-410 12 Sendstone, ciliu in magine, light gray, shale, were sendy to shale, were sendy to shale, were sendy to shale, were sendy to shale, were sendy to shale, were sendy to shale, were sendy to shale, were sendy to shale, were sendy to shale, were sendy to shale, were sendy to shale, were sendy to shale, were sendy to shale, we shale to shale the shale to shale the shale to shale the shale to shale the shale to shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shale the shal			235-298	63		Shale, dark gray, dolomitic		!	\$
298-306 6 Sendstone, very coarse to fine, liter, dol. 306-315 9 Sendstone, fine, light cy, dol., water 315-345 30 Sendstone, very fine, light gray, dolonitic 345-365 20 Shale, dark gray, silty, dolonitic 365-375 10 Siltstone, light gray, sendy, dolonitic 375-385 10 Sendstone, very coarse to fire, pirk, dol. 385-405 20 Siltstone, red, slightly dolonitic 385-405 20 Siltstone, red, slightly dolonitic 385-405 20 Siltstone, red, slightly dolonitic	E				_==				1
298-306 6 Sendstone, very coarse to fine, liter, dol. 306-315 9 Sendstone, fine, light sy, dol., water 315-345 30 Sendstone, very fine, light gray, dolomitic; siltstone, light gray, dolomitic 345-365 20 Shale, dark gray, silty, dolomitic 365-375 10 Siltstone, light gray, sendy, dolomitic 375-385 10 Sendstone, very coarse to fire, pirk, dol. 385-405 20 Siltstone, red, slightly dolomitic 220 605-419 12 Sandstone, cilty in magine, light, sorie, sende, sorie, sende, sorie, sende, sende, sorie, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, send	ام			[				, 1	
298-306 6 Sendstone, very coarse to fine, liter, dol. 306-315 9 Sendstone, fine, light sy, dol., water 315-345 30 Sendstone, very fine, light gray, dolomitic; siltstone, light gray, dolomitic 345-365 20 Shale, dark gray, silty, dolomitic 365-375 10 Siltstone, light gray, sendy, dolomitic 375-385 10 Sendstone, very coarse to fire, pirk, dol. 385-405 20 Siltstone, red, slightly dolomitic 220 605-419 12 Sandstone, cilty in magine, light, sorie, sende, sorie, sende, sorie, sende, sende, sorie, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, sende, send	7							1	15" hols
305-315 9 Sandstone, fine, light gy, dol., rater 315-345 30 Sandstone, very fine, light gray, dolomitic; siltstone, light gray, dolomitic 345-365 20 Shale, dark gray, silty, dolomitic 365-375 10 Siltstone, light gray, sendy, dolomitic 375-355 10 Sandstone, very correct of fire, pirk, dol. 385-405 20 Siltstone, red, slightly dolomitic 220 Constant Gray Sandstone, gilty in maging, lightly shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray shale, gray	٦		205-306			Sandetone warm coarse to fine litery dal			
315-345 30 3andstone, very line, light gray, dolomitic; siltstone, light gray, dolomitic  345-365 20 Shale, dark gray, silty, dolomitic 365-375 365-375 375-355 375-355 385-405 20 Siltstone, light gray, dolomitic 376-419 Siltstone, red, slightly dolomitic 385-405 Siltstone, red, slightly dolomitic 385-405 Siltstone, red, slightly dolomitic			306-315	1 9		Sandstone, fine, light gy, dol. rater			:
345-365 20 Shale, dark gray, silty, dolonitic  365-375 10 Siltstone, light gray, sendy, dolonitic  375-385 10 Soldstone, very coarse to fire, pirk, dol.  385-405 20 Siltstone, red, slightly dolonitic  220 Constant Sendstone, ciltural madium, lightly shale, sends of the standard standard shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be shall be sha	L			30			1	) )	
375-355 10 Sendstone, very correct of fire, pirk, dol. 385-405 20 Siltstone, red, slightly dolomitic  220 Constant Sendstone, city to madium, large spring.	ī		345-365	20				) 	•
375-355 10 Sendstone, very correct of fire, pirk, dol. 385-405 20 Siltstone, red, slightly dolomitic  220 Constant Sendstone, city to madium, large spring.	R		365-375	10		Siltstone, light grey, sendy, delemitic		) ]	•
385-405 20 Siltstone, red, slightly dolomitic  220 405-419 14 Sandstone, cilty to maxima, large spring.	E		375-355						•
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			385-405	20				1	
1 4 4 4 2 16 Wyer 22 2 Grove real transports of conversion	1	220	-	14		Sandstone, cilty to modium, litery shale. Ty.	'		1
1 10 1 4.25-435   10 10 2 43 10 20 10 10 10 10 10 10 10 10 10 10 10 10 10	F.	26	2			Const. real ita theats of contract.		, I	;
	_اتــــــــــــــــــــــــــــــــــــ	10	<u> 435–435</u>	10	560505	Clay, red, fragments of accomposed volcanic r	<u> </u>		<del></del>

Formations: Drift (glacial outwash and lake sediments); Eau Claire; pre-Cambrian Tested at 81 g.p.m. specific capacity = 1.55 g.p.m.

B.40802 ARMY AMINGNITION FLANT WELL THE WELL HO. . 2, BADGER ORDNANCE WORKS, SAUK CO., WIS.

Layne-Northwest Co., Contractors, 1942

Samples examined by F. T. Thwaites, Nos. 114507-114550 C, SE, Nwt., SW sec. 1, T. 10 N., R. 6 E. Elevation 920' ETM

		<del></del> _					<del></del>
- 1		0-60	60		No samples .	Ì	
•					•	-	ł
	]					- 1	1
1						- 1	}
f		60-70	10	: : : : : : : : : :	Sand, medium to silty, gray, delomitic		
		70-90	20		Gravel, fine, rather sandy		
D		90-110	20		Sand, coarse to medium, light gray, dolomitic	1	12" drive
્ર	İ	110-130	20		Sand, medium to fine, light gray, dolomitic		pipe .
Ł		130-140	10	9.000	Gravely sandy, pebbles to 1"		
1		,140-170	30		Sand, coarse to medium, light gray, dolomitic		
	}	1.70-180			Gravel, fine, very sandy	<del></del>	- 170 water
1	1	180-190		0 0 0 0 0	Gravel, stony, pobbles to 3/4"	1	
ı	ļ	190-210	20		Sand, coarse to medium, light gray, dolomitic	- 1	
	İ	210-250	30	:•••	Sand, medium to fine, light gray, slightly	- 1	j
			1		dolomitic	Ì	
ı	260				The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		
_	200	230-260	10		Sand, coarse to medium, light grey, dolomitic		
E	1	260-290	30		Siltstone, gray, dolomitic		273
A						1	, 213
		290-300	10		Scale, dark gray, alightly delemitic	1	1
		300-330	30	$\cdots \leftarrow \cdots$	Sandstone, fine, light gray; shale, gray	•	•
					, , , , , , , , , , , , , , , , , , , ,	1	, f
,		330-350	20		Siltstone, light gray, dolomitic	. 1	12" hole
		350-355	5		Sandstone, fine to medium, lt.gray, dolomitic		•
I	1	3 <i>55</i> -39 <i>5</i>	40		Sandstone like above; siltstone, lt.gray, pink, dol.; shale, gray; no.samp.380-385	1	•
le.					pink, dol.; shale, gray; no.samp.385-385	!	•
		395-400	5		No symple		
1		400-407	1		Sandstone, fine to medium, It gray, very dol.	,	•
j j		407-430	23		Siltstone, gray, dol; ss, like above; qz.peb.		
	180	430-440	10		Sendstone, coarse to fine, gray, oz. pebbles		•
יעו		440-471	31		Quartzite, pink	; ;	1
C	31			::\::\:\:\:\:			•
	لستسا	<del></del>	لسيسا			<del></del>	<del></del>

ormations: Drift, mainly outwash; Lau Claire; pre-Cambrian sested at 342 g-p-m. specific capacity = 8.15 g-p-m.

## WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH See Instructions on Reverse Side

1. Cou	nty _SauK_				Town VI Village	Prairi	eck one and g	Sac	
2. Loca	2. Location Sec 35 71011 RLE  Name of street and number of premise or Section, Town and Range numbers								
3. Own	ner 🛛 or Agent 🗀	John	ZH	partnership or	arın				
4. Mail	Address Prail	2C Complete add	reas required						
5. From	n well to nearest:	Building	3.A.1	t; sewer	ft; drai	inft;	; septic tan	kf	t;
dry	well or filter bed_	ft;	; abando	ned well	ft				
	l is intended to su	ipply wa	ter for:	Home					
7. DRI	LLHOLE: From (ft.)   To (ft.)	Dia. (in.) į	From (ft.)	To (ft.)	10. FOR	MATIONS:		From	To (ft.)
6	0 236						110000	((c)	60
					^	Sand	1 + gravel	60	190
8. CA	SING AND LINE	R PIPE	OR CU	RBING:	5	3ml \$ 6		190	213
Dia. (in.)	Kind and Weight	t	From (ft.)	To (IL)	_	and St		223	236
_6_	Std BIK		0	223					
							**		
<del></del> -									
9. GR			<b>.</b>						
	Kind		From (ft.)	To (ft.)			के प्राप्त काल	٠, ٠	
7//	776			j	Construct	ion of the	well was co		
11 34	IISCÉLLANEOUS			<del></del>					
					• ·		-		
	st:H	•		11			edhe permane		
Depth f	rom surface to wa	ater-level	i: 2/	ft.		•	•		
Water-l	evel when pumpin	ng:	22	ft.	was the	well alsinie	ected upon d		
Water s	ample was sent to	the star	te labora	tory at:			Yes		)
		_		19.5.7	Was the	well sealed	watertight		_
_ /// #4	City	1 - Kebel	24	132-1-			Yes_A	No	0
		01/1			Ola.	· de	200 - 1		
Signatu	re - MANGEL Registered V	Well Drill	er		te in space before	Comp	lete Mail Add	iress	
<i></i>					Co iii abacc oth	10 ml	10 ml 10 n	nl 10 m	nl 10 ml
Rec'd			No			10 1111	2011	11	av mi
Ans'd					Gas-24 hrs	s			
Interpret	ation				48 hrs	3			
					Confir	m			
					B. Coli				
							Evamine		

### WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH See Instructions on Reverse Side

1. County 5 2 2 2 5	(Town A PRAIRE Day SAC
Can 11 T	(City   Check one and give name
2. Location Sec 22 J  Name of street and number of premise	or Section, Town and Range numbers
	BR05.
4. Mail Address Ph. 3 'PC Complete add	De Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successive Successi
5. From well to nearest: Building 42 ft; sewer_	ft; drainft; septic tankft;
dry well or filter bedft; abandoned well	ft
6. Well is intended to supply water for:	
7. DRILLHOLE:	10. FORMATIONS:
Dis. (in.)   From (ft.)   To (ft.)   Dis. (in.)   From (ft.)   To (ft.)	Kind (it.) (it.)
4 70 178	36" OPEN Hole 0 70
8. CASING AND LINER PIPE OR CURBING:	5,2 N D 121 142
Dia. (in.) Kind and Weight From (ft.) To (ft.)	Clay 142 160
4 Steel 0 172	JAND 110 175
4 50 PECN 172 178	
	-
9. GROUT:	\
Kind From (ft.) To (ft.)	
(1/AY 0 7C	
	Construction of the well was completed on:
11. MISCELLANEOUS DATA:	1959
Yield test: Hrs. at GPM.	The well is terminated inches
Depth from surface to water-level:ft.	☐ above, below ☐ the permanent ground surface.
- c	Was the well disinfected upon completion?
Water-level when pumping:ft.	Yes No
Water sample was sent to the state laboratory at:	Was the well sealed watertight upon completion?
Not ("> / > / ? / ? (") 19	YesNo
City	165
Signature Claysen Guysell	Contrage
Registered Well Driller Please do not wri	Complete Mail Address to in space below
Rec'dNo	10 ml 10 ml 10 ml 10 ml
Ans'd	Gas-24 hrs
Interpretation	48 hrs.
	_
	Confirm
#	B. Coli

Well Construction Report WISCONSIN UNIQUE WELL	. NUMBER 📙	F 747	State of Wiscons Department of Natural Private Water Supply Box 7921	Resources Z
Property Owner Ervin Zanders	<ul> <li>Telephone Num</li> </ul>	43-6765	Madison, WI 537	07
Rt 1			1. Location (Please type or print	
Fraire Du Sac	State	Zip Code	of Coverses	
County of Well County Well Location	Well Con	53579	Grid of Street Address or Road Name and	Number (if available)
Location Sault Permit No. W	Date	4 / <u> </u>	Subdivision Name Lo	t # Block #
Well Constructor (Business Name)		Mark well location in correct 40-acre		
Albin Herbeck Address	482	parcel of section. N	Gov't Lot # or '4 of Section 25; T1 N; R	<u></u>
Box 136			3. Well Type New	LJE LJ W
Richland Center Nis		W E	Replacement Reconstr	uction
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	33381		of unique well #c	onstructed in 19
		S	Reason for new, replaced or reconstru	icted well?
4. Well serves # of homes and/or	High Capacity	Well? O Yes C No	need water	-
(ex: barn, restaurant, church, school, industry, et	c.) High Capacity	Property? C Yee No	☐ Drilled ☐ Driven Point ☐ Jette	ed Other
5. Well Located on Highest Point of Property, Con-			oundings? 🔀 Yes 🗆 No If no.	explain on back side
Well Located in Floodplain?   Yes   No Distance In Feet From Well To Nearest:		spout/Yard Hydrant	17. Wastewater Sur	wp
1. Landfill		lation Drain to Clears	vater 557 19. Animal Yard or	Shelter
5. 2. Building Overhang		ation Drain to Sewer	20. Silo — Type	
3. Septic or Holding Tank 5.5.4. 4. Sewage Absorption Unit	13. Buildi	ng Drain : Iron or Plastic		
1.24 5. Nonconforming Pit		ig Sewer  Gravity	•	<del>-</del>
6. Buried Home Heating Oil Tank		t Iron or Plastic 🗆 Oti		
7. Buried Petroleum Tank		tor or Street Sewer	Other NR 112 V	Vaste Source
8. Shoreline/Swimming Pool	16. Cleary	<del>_</del>	24	
6. Drillhole Dimensions From To drillhole only.	g abber enrerged	DHE 9.	Geology	From To
	•	FORTY: LYDE, CA	ving Noncaving, Color, Hardness, Etc.	(ft.) (ft.)
Die (in.) (ft.) (ft.)	Circulation	ONLY Type, Ca	ving/Noncaving, Color, Hardness, Etc.	(ft.) (ft.)
Dia. (in.) (ft.) (ft.) 1. Rotary — Mud  3.0 surface 2.0 2. Rotary — Air				surface
Dia. (in.) (ft.) (ft.)  10 surface 20 1. Rotary — Mud 2. Rotary — Air 3. Rotary — Foam	1	Topso1		<del>-   -   -   -   -   -   -   -   -   -  </del>
Dia. (in.) (ft.) (ft.)  10 surface 20 1. Rotary — Mud 2. Rotary — Air 3. Rotary — Foam 4. Reverse Rotary	1		r	<del>-   -   -   -   -   -   -   -   -   -  </del>
Dia. (in.)       (ft.)       (ft.)       □       1. Rotary — Mud         10       surface       20       □       2. Rotary — Air         3. Rotary — Foam       □       4. Reverse Rotary         6       20       307       □       5. Cable-tool Bit	n 	Topsoi	r	surface 1
Dia. (in.)       (ft.)       (ft.)       1. Rotary — Mud       2. Rotary — Air       2. Rotary — Air       3. Rotary — Foam       4. Reverse Rotary       5. Cable-tool Bit _       6. Temp. Outer Care       6. Temp. Outer Care       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Removed?       7. Remove	in. dia.	Topsoi silty Sand	clay Gravel	surface 1
Dia. (in.) (ft.) (ft.)  10 surface 20	in. dia.	Topsoi	clay Gravel	surface 1
Dia. (in.) (ft.) (ft.)  10 surface 20 2. Rotary — Mud 2. Rotary — Air 3. Rotary — Foam 4. Reverse Rotary 5. Cable-tool Bit 6. Temp. Outer Ca Removed? If no, explain Dia. (in.) (ft.)  1. Rotary — Mud 2. Rotary — Mud 6. Removed? If no, explain 7. Other	in. dia.	Topsoi silty Sand	clay Gravel	surface 1 1 15 15 279
Dia. (in.) (ft.) (ft.)  10 surface 20 2. Rotary — Mud 2. Rotary — Air 3. Rotary — Foam 4. Reverse Rotary 5. Cable-tool Bit 2 6. Temp. Outer Care Removed? If no, explain 2 7. Casing, Liner, Screen Material, Weight, Specification	in. dia.	Topsoi silty Sand	clay Gravel	surface 1 1 15 15 278
Dia. (in.) (ft.) (ft.)  10 surface 20 2. Rotary — Mud 2. Rotary — Air 3. Rotary — Foam 4. Reverse Rotary 5. Cable-tool Bit 6. Temp. Outer Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carrent Carr	in. dia. ising in. dia. Yes No	Topsoi silty Sand sands:	clay Gravel	surface 1 1 15 15 278
Dia. (in.) (ft.) (ft.)  10 surface 20 2. Rotary — Mud 2. Rotary — Air 3. Rotary — Foam 4. Reverse Rotary 5. Cable-tool Bit 6. Temp. Outer Ca Removed? If no, explain 7. Casing, Liner, Screen Material, Weight, Specification Mfg. & Method of Assembly	in. dia. sing in. dia. Yes No  From To (ft.) (ft.)	Topsoi silty Sand sands Chale	clay Gravel	surface 1 1 15 15 279
Dia. (in.) (ft.) (ft.)  10 surface 20 2. Rotary — Mud 2. Rotary — Air 3. Rotary — Foam 4. Reverse Rotary 5. Cable-tool Bit 6. Temp. Outer Care Removed? If no, explain 7. Casing, Liner, Screen Material, Weight, Specification Mfg. & Method of Assembly  Fitless	in. dia. sing in. dia. Yes No  From To (ft.) (ft.)	Topsoi. silty Sand sands Shale	clay  Gravel  tone  4 865.  evel 12. Well is:	surface
Dia. (in.) (ft.) (ft.)  10 surface 20 2. Rotary — Mud 2. Rotary — Air 3. Rotary — Foam 4. Reverse Rotary 5. Cable-tool Bit 6. Temp. Outer Care Removed? If no, explain 7. Casing, Liner, Screen Material, Weight, Specification Mfg. & Method of Assembly	in. dia. sing in. dia. Yes No  From To (ft.) (ft.)	Topsoi. silty Sand sands Shale  10. Static Water L ft. above	Clay  Gravel  bone  F BGS.  evel ground level  12. Well Is:	surface   1   1   15   278   278   300   307   -
Dia. (in.) (ft.) (ft.)  10 surface 20 2. Rotary — Air 2. Rotary — Air 3. Rotary — Foam 4. Reverse Rotary 5. Cable-tool Bit 6. Temp. Outer Ca Removed? If no, explain 7. Casing, Liner, Screen Material, Weight, Specification Mfg. & Method of Assembly  Astm A 53  6 5/8 O. D. 250 ERW.	in. dia. sing in. dia. Yes No  From To (ft.) (ft.)	Topsoi. silty Sand sands Shale  10. Static Water L ft. above	clay  Gravel  bone  12. Well Is:  ground level  ground surface  8+ in	Surface
Dia. (in.) (ft.) (ft.)  10 surface 20 2. Rotary — Air 2. Rotary — Air 3. Rotary — Foam 4. Reverse Rotary 5. Cable-tool Bit 6. Temp. Outer Ca Removed? If no, explain 7. Casing, Liner, Screen Material, Weight, Specification Mfg. & Method of Assembly  Astm A 53  6 5/8 O. D. 250 ERW.	in. dia. sing in. dia. Yes No  From To (ft.) (ft.)	Topsoi. silty Sand sands Shale  10. Static Water L ft. above ft. below  11. Pump Test	clay  Gravel  bone  12. Well is:  ground level ground surface  8+ in  Developed?	Surface
Dia. (in.) (ft.) (ft.)  10 surface 20 2. Rotary — Mud 2. Rotary — Air 3. Rotary — Foam 4. Reverse Rotary 5. Cable-tool Bit 6. Temp. Outer Care Removed? If no, explain 7. Other 7. Casing, Liner, Screen Material, Weight, Specification Mfg. & Method of Assembly  Pitless  Astm A 53  6 5/8 O. D. 250 ERW.  Dia. (in.) streen Type and material	From To (ft.) surface 279	Topsoi. silty Sand sands Sands Shale  10. Static Water Lft. aboveft. below  1f. Parap Test  Pumping Level L	Clay  Gravel  bone  12. Well Is: ground level ground surface  B+ in Developed? Disinfected?	Surface   1
Dia. (in.) (ft.) (ft.)  10 surface 20 2. Rotary — Air 2. Rotary — Air 3. Rotary — Foam 4. Reverse Rotary 5. Cable-tool Bit 6. Temp. Outer Care Removed? If no, explain 7. Casing, Liner, Screen Material, Weight, Specification Mfg. & Method of Assembly  Pitless Astm A 53  6 5/8 O. D. 250 ERW.  Dia. (in.) screen Syperand material  6. Grout or Other Sealing Material	From To (ft.)  From To (ft.)  From To	Topsoi. silty Sand sands: Shale  10. Static Water L ft. above ft. below 11. Pumping Level L Pumping at 1	clay  Gravel  Ecre  evel ground level ground surface  LSLft. below surface GPM for hours  Capped?	Surface
Dia. (in.) (ft.) (ft.)  10 surface 20 2. Rotary — Mud 2. Rotary — Air 3. Rotary — Foam 4. Reverse Rotary 5. Cable-tool Bit 6. Temp. Outer Care Removed? If no, explain 7. Other 7. Casing, Liner, Screen Material, Weight, Specification Mfg. & Method of Assembly  6. Sco.: 40 12:37 p. F.  Pitless Astm A 53  6. 5/8 O. D. 250 ERW.  Dia. (in.) streen Rype and material  8. Grout or Other Sealing Material	From To (ft.)  From To (ft.)  From To	Topsoi.  silty  Sand  sands:  Chalc  10. Static Water L  ft. above  ft. below  17. Pumping Level 1  Pumping at  Pumping at  Yes	clay  Gravel  some  12. Well Is:  ground level  ground surface  B+ in  Developed?  Disinfected?  Capped?  nently seal all unused, noncomplying, of  No If no, explain Ormer y	surface  1 15 278 278 300 307  300 307  Above Grade Below Yes   No Yes   No Yes   No
Dia. (in.) (ft.) (ft.)  10 surface 20 2. Rotary — Mud 2. Rotary — Air 3. Rotary — Foam 4. Reverse Rotary 5. Cable-tool Bit 6. Temp. Outer Care Removed? If no, explain 1. In o, explain 1. The control of the case of the control of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the c	From To (ft.)  From To (ft.)  From To (ft.)  Surface 279	Topsoi.  silty  Sand  sands:  Chalc  10. Static Water L  ft. above  ft. below  17. Pumping Level 1  Pumping at  Pumping at  Yes	clay  Gravel  Ecre  evel ground level ground surface  GPM for hours  nently seal all unused, noncomplying, or and	surface  1 15 278 278 300 307  300 307  Above Grade Below Yes   No Yes   No Yes   No Yes   No Tunsafe wells?
Dia. (in.) (ft.) (ft.)  10 surface 20 2. Rotary — Mud 2. Rotary — Air 3. Rotary — Foam 4. Reverse Rotary 5. Cable-tool Bit 6. Temp. Outer Ca Removed? If no, explain 7. Other 7. Casing, Liner, Screen Material, Weight, Specification Dia. (in.) Mfg. & Method of Assembly  6. Scott 40 19:37 p. E. Pitless Astm A 53  6. 5/8 O. D. 250 ERW.  Dia. (in.) streen Ryperahd material  8. Grout or Other Sealing Material  8. Grout or Other Sealing Material  8. Grout or Other Sealing Material  6. From Kind of Sealing Material	From To (ft.)  From To (ft.)  From To Sacks (ft.)	Topsoi.  silty  Sand  sands:  Chalc  10. Static Water L  ft. above  ft. below  1T. Pump Test  Pumping Level 1  Pumping at  13. Did you perma  Yes  14. Signature of Po	clay  Gravel  sevel  ground level  ground surface  GPM for hours  left, below surface  GPM for hours  No If no, explain cont Driver or Registered Driller	surface  1 1 15 25 278 278 300 300 307   Above Grade Below Yes No Yes No Yes No Yes No Yes No Tunsafe wells?
Dia. (in.) (ft.) (ft.)  10 surface 20 2. Rotary — Mud 2. Rotary — Air 3. Rotary — Foam 4. Reverse Rotary 5. Cable-tool Bit 6. Temp. Outer Carry 11 continue 7. Other 7. Casing, Liner, Screen Material, Weight, Specification Mfg. & Method of Assembly  6. Sco.: 40 12:37 p. F.  Pitless Astm A 53  6. 5/8 O. D. 250 ERW.  Dia. (in.) street type and material  8. Grout or Other Sealing Material  8. Grout or Other Sealing Material  6. Temp. Outer Carry 15 no. explain 17. Other 18. Sco.: 40 12:37 p. F.  Pitless Astm A 53	From To (ft.)  From To (ft.)  From To (ft.)  Surface 279	Topsoi.  silty  Sand  sands:  Chalc  10. Static Water L  ft. above  ft. below  17. Pumping Level 1  Pumping at  Pumping at  Yes	clay  Gravel  sevel  ground level  ground surface  GPM for hours  left, below surface  GPM for hours  No If no, explain cont Driver or Registered Driller	surface  1 15 278 278 300 307  300 307  Above Grade Below Yes   No Yes   No Yes   No Yes   No Tunsafe wells?

1. County Sauk					Town Willage Prairie Du Sa	3C	
2. Loca	ation	V _N x	4 of	N. J. 🕹 of	Sec. 25. T.10 N. R.6 E.		
3. Own	ner or Ag						
4. Add	ress	Pre	irie D	ı Sec. T	is. R.D.		
5. From	m well to	nearest: Bui	lding5	ft; sew	ver_Nonft; drain_Non_ft; sep	tic tank.	Non ft:
		ter bed Non					
6. Well	l is intend	led to supply	water for	:Nair	y_Farm		
7. DRI	LLHOLE	OREXCAV	ATION:		10. FORMATIONS:		
Dia	Dia. (in.) From (it.) To (it.)		229	Kind	Thick- ness (ft.)	Total Depth (ft.)	
		<del>-</del>			Top Soil & Clay		25
					Sand & Some Gravel	25	115
	<del></del>				Blue Clay	115	145
8 CAS	STNG AN	D LINER PIL	PE OR CII	RRING:	_River Sand	145	215
Dia. (in.)		Kind	From (ft.)	To (ft.)	Sand & Some Gravel	215	226
6	Sta W	eight			Gravel	226	229
		Pipe	0_	229			
•							
9. GR(	DUT:		-1	·			
	Kind		From (ft.)	To (ft.)			
Clay	Fill		0	20			
			_				
					<b></b>	<u> </u>	
			-				
Yield tea	st:	EOUS DATA	it10		Construction of the well was co		
-		ice to water:			The well is terminated _7_ft	in Pi	
Water-le	evel when	pumping:	114	ft.	(道)(付金) (below) the permaner	it grade.	
Water s	ample ser	nt to laborato	ry at		Was the well disinfected upon	_	
Ma	adison	ao	_9/18	19_45			0
		ve			Was the well sealed watertigh	-	ompletion ?
Signature Geo Reynolds Registered Well Driller							

STATE OF WISCON DEPARTMENT OF NATURAL Box 450 Madison, Wisconsin 53701

		TELLOW C	OPY - OWNER'S				
COUNTY	CHE Town	CK ONI	/illage	C. 211	ME	· rapi	
LOCATION - 14 Section Section		Range	3. OWNER AT T	IME OF DRILLI	NG.		<u> </u>
796110 X6110 21	10N1 V	(, =		<u> </u>	inner		
R - Grid or street no Street name	,		ADDRESS	- , <u> </u>	2.52	,	
ND -1 f available subdivision name, lot & block	no.		POST OFFICE	Ra	i. Du	4. 61	120
Distance in feet from well to nearest:	BUILDING SANI			FOUNDAT	ION DRAIN EDJINDEPENDEN		TER DRAIT
(Record answer in appropriate block)	8 1 30	011	3414	··· 2.1. 00.11.120.	2000	2575	-
LEAR WATER DIGIN   SEPTIC TANK   PRIV	Y SEEPAGE PIT	ABSORPTION	FIELD BARN	SILO ABA	NDONED WELL	SINK HOLE	<u> </u>
18 ft 50 ft	75/1			1			
THER POLLUTION SOURCES (Give description	on such as dump, qu	iarry , drainage	well, stream, pond.	lake, etc.)			
. Well is intended to supply water for:	Hami		<del></del>				
. DRILLHOLE	757 770	<del>-</del>	9. FORMATIO	ONS		<del></del>	
Dia. (in.) From (ft.) To (ft.) Dia. (	in.) From (ft.)	To (ft.)		Kind		From (ft.)	To Ift
/ Surface / C			Sin	6		Surface	25
6 10 79			Si	ndet &	Gravel	25	70
CASING, LINER, CURBING, AND SCI Dia. (in.) Kind and Weight	From (ft.)	To (ft.)	J.		,	70	79
6" Ken Stord R	É /i Surface	7%					
Steel 19 18 # at	ار رو					T	
P+.							1
6 Defenton Saint	la Sence	153	7				
3 H long	76	79					
B. GROUT OR OTHER SEALING MATE			10. TYPE OF	DRILLING M	ACHINE USED	, — · _ · _ · _ · _ · · · · · · · · · · ·	
Kind	From (ft.)	To (ft.)	Cable Tool	[	Direct Rotary	Reve	rse Rotary
Haill Cuttings	Surface	18	Rotary - si w/drilling m	nud w	Rotary — hamme with drilling mud & a		ng with
J		1	Well construct	ion completed	on M.C.	4 1	1974
11. MISCELLANEOUS DATA Vield test: Hrs	.at Jis	GPM	Well is termina		inches [	above below	final grac
Depth from surface to normal water level	40	ft.	Well disinfecte	d upon compl	etion	X Y	'es 🗀 ^
Depth to water level when pumping	40	ft.	Well sealed wa	tertight upon (	completion	ZΥ	'es 🔲 "
Vater sample sent to	ブ	Rades	sin .	laborate	ory on: At	1	197
our opinion concerning other pollution hype of casing joints, method of finishing the given on reverse side.	azards, informati the well, amount o	on concerning	g difficulties enc ed in grouting, bl	ountered, and asting, sub-sur	data relating to n face pumprooms,	earby wells, access pits, e	screens, seal etc., should
IGNATURE	1		COMPLETE MA		u Clai	A),	1
Jallem Keleck	Registered We	ll Driller	ite in space below		in Ilan	مرو الاد	(- FC

TGAS - 48 HRS.

GAS - 24 HRS.

OLIFORM TEST RESULT

CONFIRMED

REMARKS

State of Wisconsin

NOTE:

Department of Natural Resources Box 7921 Madison, Wisconsin 53707 White Copy
Green Copy
Yellow Copy
Yellow Copy

- Division's Copy
Driller's Copy
Owner's Copy

DUNTY	1/2			CHECK (✓			/	larne	. 9	Ŋ	
レジル	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	ction, S	Section 🛭	Township	Range	<u> </u>	OWNER	AGENT AT	TIME OF	DRILLING	CHECK (A) ONE
2: LOCATIO OR -		cet No. 18	Street Name	79×	KIE	ADDRES	Sill	ast	de_		
		,		TION	R6E	POST O	KI				
AND -	If available	subdivisio	i O	& block No.		POSTO	PPICE (	19	1/2		<u></u>
4. Distance is			uilding Sa	nitary Bldg. Dr		Bldg. Sewer	Floor		Storm Bld		Storm Bldg, Sewer
to nearest: answer in block)	: (Reco appropriate		30	C.I	ther C.I.	Other	C.I. Sewer	Other Sewer	C.I.	Other	C.I. Other
Street Sewe	<del></del>			Sewage	d to: Sewage Sur			T	vage Absor	ption Unit	
341. 3(01)	m C.I.	<b>-</b> → †	Sewer Clearwater Dr.	Sump Clearwater Sump	+ +		- 98	See	page Bed page Trend	h //	
Privy   Pet Wast	e		ing Existing	Subsurface P	G	larn Animal utter Barn	Animal Sil		ned Silo	Earthen Sil Storage Tre Pit	age ench Or
Pit	Pump			Nonconform	ing Existing	Pen —	-	Facility	Pít —	Pit	_
Temporary Manure	Tank   Watertig   Liquid I	Manure St		Gasoline or	Waste Pond or La Disposal Unit	nd Other (	Give Descripti	on)			
Stack	Tank	st	ructure	Oil Tank	(Specify Type)			-			
5. Well is into	ended to si	pply wate	r for:			9. FORMA	ATIONS Kind		1	From (64.)	T- (6)
6. DRILLHO	OLE		Hen				1	,		From (ft.)	To (ft.)
Dia. (in.) F	From (tt.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)	20-	- x g	and		Surface	255
10	Surface	20	200	20	278	sa	-let	Le nu		255	279
CASING	LINER, C	URBING A	ND SCREE	N						<del></del>	
Dia. (in.)	& Meth	od of Asse	mbly	From (ft.)	To (ft.)	<u> </u>		/			
_6/	19.45	to p	uft	Surface	255	ļ	_/_	<del></del> -		<u></u>	
17	TXC.	US.	u ft 5. 153			_					
					·						1
	<u> </u>	<del></del>		<u> </u>		10 77/75	OF DRUIN	C M A CHIPME I	USED	<del></del>	
							OF DRILLING		y-hammer	1_	
8. GROUT			G MATERIA	. /	1 7 (5)	i .	able Tool	☐ mud 4	k air y-hammer		Jetting with  Air
	<u>Kir</u>	,		From (ft)	To (ft.)		otary-air /drilling mud otary-w/drillin	L air	<b>y</b>		Water
Clay	y sle	ing	· -	Sorface	20		nud	Rever	se Rotary		
						Well constr	uction comple	ted on	5-		19.22
	CELLANI	EOUS DA	TA 24	Hrs. at ——		Well is term	insted —	inche		drove fin	al grade
	Testi										
	h from surf h of water		mai water le	vel	//5 Ft.	Well disinfe	cted upon com	pietion		Yes 🗆 No	<u>-</u>
•	en pumping		118 Ft.	Stabilized	☐ Yes ☐ No	Well sealed	watertight upo	n completion	•	Yes 🗆 No	)
	r sample se		tate;	Cat. u	Hugai	<u>.                                    </u>		tory on	4	-16	19 <i>78</i>
ir opinio	n concerni	ng other pount of cem	ollution haza	rds, informatio	on concerning diffing, etc., should be	iculties encor	untered, and di	ata relating to	nearby we	lls, screens, s	eals, method of
Signature	. ,	$\overline{\Omega}$			-		Mail Address	1	<del></del>	1	· · · · · · · · · · · · · · · · · · ·
(,)	out	La .	سسيا	Registere	d Well Driller	PZ	lusin	An.	L. J	بيذرل	· 535F8

NOTE:

MAY AP 1070 MAY 0.2 1973
WELL CONSTRUCTOR'S REPORT 33
Form 3300-15

Department of Natural Resources Box 7921	White Copy Green Copy	- Division's Copy Driller's Copy	Form 3300-15	Rev. 32-77
Madison, Wisconsin 53707	Yellow Copy	Owner's Copy		
1. COUNTY	CHECK (V) ONE:	Nage City	lind 2 2 2 2 1	9 1
Swil & Section Section W	Township Range	3. NAMI OWNER	JAGENT AT TIME OF	F DRILLING CHECK (1) ONE
2. LOCATION NET 25	792/ 17E	ADDRESS	Sparke	
OR - Grid or Street No. Street Name	TION RGE	ADDRESS P		
AND - If available subdivision name, lot &	block No.	POST OFFICE	0	7
LOTS- Wendersia	sul Dun	Prancis	Julsa	Melisa
	nitary Bldg. Drain Sanitary C.I. Other C.I.	Bldg. Sewer Connects Other C.I. Sewer C		dg. Drain Storm Bidg. Sewer
answer in appropriate 90				
Street Sewer Other Sewers Foundation D San. Storm C.I. Other Sewer	Sewage C.I. O	imp Clearwater Septic ther Sump Tank	Holding Sewage Abso Tank Seepage Pit	rption Unit
Clearwater	Clearwater Sump	-     105	Seepage Bed	90
Privy Pet Pit: Nonconforming Existing	Subsurface Pumproom	Barn Animal Animal Silo	Glass Lined Silo	Earthen Silage
Waste Pit Well Pump	Nonconforming Existing	Sutter Barn Yard With	Pit Storage W/o Pit	Storage Trench Or Pit
Tank				
Manure Liquid Manure Storage	Subsurface   Waste Pond or L Gasoline or   Disposal Unit Oil Tank   (Specify Type)	and Other (Give Description	n)	
	, — —		_	
5. Well is intended to supply water for:		9. FORMATIONS		· ·
( DRILLIOLE	use	Kind	<del></del>	From (ft.) To (ft.)
6. DRILLHOLE  Dia. (in.)   From (tt.)   To (ft.)   Dia. (in.)	From (ft.) To (ft.)	- 0-1	/	Surface 255
20	_21	The House		
10 Surface 6	307	sandata		285 307
	; !			
7. CASING, LINER, CURBING AND SCREEN				<b></b> '
7. CASING, LINER, CURBING AND SCREEN Material, Weight, Specification Dia. (in.) & Method of Assembly	From (ft.)   To (ft.)			
15				
68 20 -280WW	Surface 285	<del>                                     </del>		
153-18.97lb. put	1.			
11ed: U.S.S.	1			
10000				
		10. TYPE OF DRILLING	MACHINE USED	
			Rotary-hammer w/drilling	1_
8. GROUT OR OTHER SEALING MATERIAL		Cable Tool	mud & air	Jetting with
Kind	Esom (ft.) To (ft.)	Rotary air W/drilling mud	Rotary-hammer	Air Water
Clay slung	Surface 2/)	Rotary-w/drilling mud	Reverse Rotary	i
		Well construction complete	nd on .	9-13 1922
11. MISCELLANEOUS DATA				above final grade
Yield Test:	Hrs. at / GPM	Well is terminated		below
Depth from surface to normal water leve	el <u>. 90</u> Ft.	Well disinfected upon comp	eletion -	Yes 🗆 No
Depth of water level		o Well sealed watertight upon	completion	Yes 🗆 No
117	PO 11/	laborat		19 78
Your opinion concerning other pollution hazar	ds, information concerning di	fficulties encountered, and da		
finishing the well, amount of cement used in gr	routing, outsting, etc., snould	<del></del>		
Signature		Complete Mail Address		1
1, out lan	Registered Well Driller	1 K.2 Simin	House	نسيرل

State of Wisconsin Department of Natural Resources Box 450 Madison, Wisconsin 53701

JAN 4 1978

NOTE:

White Copy Green Copy - Division's Copy Oriller's Copy - Owner's Copy

WELL CONSTRUCTOR'S REPORT

Form 3300-15 Rev. 10-75

	CHECK (V) ONE:	Name D 1
	✓ Town ☐ Villa Dwnship Range	B. NAME OWNER AGENT AT TIME OF DRILLING CHECK (1) ONE
1. LOCATION SW/4/19 25	10N 6E	Coward Wagner
OR - Grid or Street No. / Street Name		ADDRESS 5213 Address CA
AND - If available subdivision name, lot & blo	ock No.	POST OFFICE MARIE 11/1
Distance in feet from well Building Sanital	ry Bidg. Drain Sanitary E	Bidg. Sewer Floor Drain Storm Bidg. Sewer Connected To: Storm Bidg. Drain Storm Bidg. Sewer
to nearest: (Record C.I. answer in appropriate	Other C.I.	Other C.I. Sewer Other Sewer C.I. Other C.I. Other
Street Sewer Other Sewers   Foundation Drain	Connected to: Sewage Sun	D Clearwater Septic Holding Sewage Absorption Unit
San. Storm C.I. Other Sewer	Sewage C.I. Oth	er Sump Tank Tank Seepage Pit 100 Al
Dr	Sump	Seepage Trench
Waste		arn Animal   Animal   Silo   Glass Lined   Silo   Earthen Silage   Itter   Barn   Yard   With Pit   Storage   W/o   Storage Trench Or   Facility   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit   Pit
Pump Tank		
Temporary Watertight Solid Manure Sut Manure Liquid Manure Storage Gas	osurface   Waste Pond or Lar soline or   Disposal Unit	Other (Give Description)
Ctack Tank Structure Oil	Tank (Specify Type)	
5. Well is intended to supply water for:		9. FORMATIONS
DRILLHOLE	re	Kind From (ft.) To (ft.)
	om (ft.) To (ft.)	Sim & General Surface 20
14 4 4		O D of De ord
Surface 20		Sund Gravel 20 125
20 256	ļ	Sand 125 200
CASING, LINER, CURBING AND SCREEN Material, Weight, Specification		
	om (ft.) To (ft.)	Sand + Bearlf 200 215
6" New Stand Belester's	urface 244/	Sand Rock I/5 256
245 4 sex lt JeC.		
10 - 1		
"STM & 53 Sumbon	4	
netal Ltd.		
1		10. TYPE OF DRILLING MACHINE USED Rotary-hammer
8. GROUT OR OTHER SEALING MATERIAL		Cable Tool   w/drilling   Jetting with
1	om (ft.) To (ft.)	Rotary-air Rotary-hammer Air & air
Krill Cullings s	surface 20	Rotary-w/drilling Reverse Rotary
70		Well construction completed on Sept 16 1976
1. MISCELLANEOUS DATA	2 4	above "inal grade
	at 20 GPM	Well is terminated inches below
Depth from surface to normal water level	// O Ft.	Well disinfected upon completion Yes No
Depth of water level / 5 Ft. Str	abilized 🗆 Yes 🔼 No	Well sealed watertight upon completion 📈 Yes 🗆 No
Water sample sent to	Madisen	laboratory on March 7 1977
opinion concerning other pollution hazards, mushing the well, amount of cement used in grout	information concerning diffi	culties encountered, and data relating to nearby wells, screens, seals, method of given on reverse side.
ional/dre o		Complete Mail Address
74 4.1.1		AUX P D D AL

STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES
Box 450
Madison, Wisconsin 53701

FORM 3300-	NSTRUCT -15	OK S REP	OK! HD	12 1 131		NOTE		DEPARTME	NT OF NA	MISCONSIN TURAL RES	OURCES
				•	GREEN CO	PY - DIVISION'S ( PY - DRILLER'S	COPY	Ma	Box Idison, Wise	450 consin 53701	
1. COUNTY	J			CHI	ECK ONE	OPY - OWNER'S	COPY	SAME		<del></del>	
	-41.	K.		<u></u> Town		Village	City 7	eau	e de	Au	/
2. LOCATIO	N - 14 Se	ection Sec	tion Town		Range	3. OWNER AT T	IME OF D	RILLING			
OR - Grid or	r street no.	77 7	et name	<u> </u>	<u> </u>	ADDRESS		wer			
AND IS	71.1.7					304	1-7	the	<i>t</i>		
111	illagie subdivis	ion name, lot ا	k block no.	<u>~</u>		POST OFFICE	· .	A.	۱.		
		well to near	est: BU		ITARY SEWER	FLOOR DRAIN C. I. TILE SE	FOUL	NDATION DRA	IN	WASTE WAT	
(Reco	ord answer in a	appropriate blo	ock) 3		5/1	484	1. 00.	عد المدر		451	71LI }—
CLEAR WAT	ER DRAIN	EPTIC TANK	PRIVY SE	EPAGE PIT	ABSORPTION	FIELD BARN	SILO	ABANDONED	WELL SI	NK HOLE	<del></del>
40.11		501	4  -	7514							
OTHER POL	LUTION SOU	RCES (Qive de	escription suc	ch as dump, qu	l uarry, drainage	well, stream, pond,	lake, etc.)	1			
	<del></del>										
b. Well is in	ntended to si	ipply water f	or:	14							
6. DRILLE	IOLE					9. FORMATIO	ONS			<del></del>	<del></del>
Dia. (in.)	From (ft.)	To (ft.)	Dia. (in,)	From (ft.)	To (ft.)		Kind			From (ft.)	To ( )
10	Surface	IO			Can	my 1	lea	e I Ofe	al .	Surface	60%
1	20	275			i	() j	0	10	7	15	157
7. CASING		JRBING, AN	D SCREEN	<u>                                     </u>		- Dany	14	east		60	/ 2 .7
Dia. (in.)	,	ind and Weigh		From (ft.)	To (ft.)	Sa	al			120	162
1"	Vision of	11 1	Rek	Surface	260		1 6	1 0		160	25
	1000 2	16-1-3	UKK		500			aevel 1			<b>Q</b> .
	Steel	19.18	- du		L		had	Kack		239	37 3
	ft					j	•	•			
	U					1					
	<u> </u>					<u>                                     </u>					<u></u>
8. GROUT		SEALING I	MATERIAL		- <del> </del>	10. TYPE OF	DRILLIN	G MACHINE	USED		
	Kin	<u>d</u>		From (ft.)	To (ft.) 3	Cable Tool	Ì	Direct R	otary		se Rotary
_fl	rill C	setten	4-	Surface	20	Rotary - air w/drilling m		Rotary - with drilling	- hammer Miled & air		g with r □W:r
•			0	1	,	Well constructi	ion compl		hil	<u>ام ب                                    </u>	19 7 4
11. MISCE	LLANEOUS	_			-1	Well is termina			X X	above	
Yield test:		20	Hrs. at	كىك	GPM	Aveil is ferming		/o inche	*	below	final gr e
Depth from	surface to r	ormal water	levei	110	// ft.	Well disinfected	d upon co	mpletion		₩ Ye	s 🔲 N.
Depth to w	ater level wh	en pumping		115	ft.	Well sealed wat	tertight up	on completio	n .	Ş <b>Z</b> Ye	s 🔲 N
Water samp	le sent to	-	•		ma	dison	labo	oratory on:	Lut	L 5	19 📜 🦼
type of casi	ng joints, me	thod of finis				difficulties enco d in grouting, bla					
SIGNATURE	reverse side.					COMPLETE MA	IL ADDRE	SS	$\overline{\Lambda}$		
P	7/	911				• • •	0 4		، ۱۰)،	1	
Ne l	line	Trela	Re Me	gistered Wel		2451	ack	Mre-	Have	c all	Au !
COLIFORM	TEST RESUL	T T	IG/	17ea AS – 24 HRS.		te in space below - 48 HRS.	CONFIRM	(ED	REMAR	KS	

4 1978 JAN

State of Wisconsin Department of Natural Resources NOTE:

White Copy

Division's Copy Driller's Copy

WELL CONSTRUCTOR'S RLEUE Form 3300-15 Rev. 10-75

Box 450 Green Copy Madison, Wisconsin 53701 Yellow Copy Owner's Copy UNTY CHECK (V) ONE: ☐ Village Town City % Section 3. NAME **SOWNER** Section Township Range DRILLING CHECK (A) ONE 101 LOCATION OR - Grid or Street No / Street Name AND - If available subdivision name, lot & block No. OFFICE Distance in feet from well Building Sanitary Bldg, Drain Sanitary Bldg. Sewer Floor Drain Connected To: Storm Bldg. Drain Storm Bldg. Sewer to nearest: (Record Other C.I. C.I. Sewer Other Sewer C.I. Other Other 25/0 answer in appropriate 30 block) Clearwater Septic Holding Sewage Absorption Unit Sump Tank Tank Seepage Pit Street Sewer Other Sewers | Foundation Drain Connected to | Sewage Sump Other Sewage Sump Seepage Pit Storm | C.I. | Other San. Sewer 50 p Clearwater Dr. Seepage Bed Clearwater Sump Seepage Trench Animal Animal Barn Yard Pen Silo Glass Lined With Pit Storage Facility Silo w/o Pit Privy Pet Waste Pit | Barn |Gutter Earthen Silage Storage Trench Or Pit Pit: Nonconforming Existing Subsurface Pumproom Well Nonconforming Existing Pump Tank Temporary Manure Stack Watertight Liquid Manure Tank Solid Manure Storage Structure Subsurface Gasoline or Oil Tank Waste Pond or Land Disposal Unit (Specify Type) Other (Give Description) 9. FORMATIONS J. Well is intended to supply water for: From (ft.) To (ft.) Kind DRILLHOLE Dia. (in.) From (tt.) To (ft.) Dia. (in.) From (ft.) To (ft.) Surface Surface ASING, LINER, CURBING AND SCREEN Material, Weight, Specification
a. (in.) & Method of Assembly Dia. (in.) From (ft.) To (ft.) 238 Surface 10. TYPE OF DRILLING MACHINE USED Rotary-hammer w/dritting mud & air Jetting with Cable Tool GROUT OR OTHER SEALING MATERIAL Rotary-air w/drilling mud Rotary-hammer & air From (ft.) Kind To (ft.) Rotary-w/drilling 20 Reverse Rotary Surface 19 Well construction completed on MISCELLANEOUS DATA 11. above final gr below inches **GPM** Well is terminated Yield Test: 🛛 Yes 🗆 No Depth from surface to normal water level 100 Ft. Well disinfected upon completion Depth of water level ✓ Yes □ No Yes Do Well sealed watertight upon completion Stabilized when pumping laboratory on Water sample sent to opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of hing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

DLD !

Complete Mail Address

GAS - 48 HRS.

GAS - 24 HRS.

COLIFORM TEST RESULT

CONFIRMED

REMARKS

State of Wisconsin
Department of Natural Resources
Box 450
Madison, Wisconsin 53701

NOTE:

White Copy Green Copy Yellow Copy

- Division's Copy Driller's Copy Owner's Copy WELL CONSTRUCTOR'S REPORT

Form	3300-15
Rev.	10-75

	NTY		1	7	СНЕСК	(V) ONE:				Name			1	<del></del>
		<u>د</u>	San	R	✓ Fow		U Vil	age	☐ City	Plai	ries	<u>VII -</u>	Sac	
* 04	CATION	100	ection	Section	Township			3. NAME	S own	ER AGE	NT AT TIN	E OF DR	ILLING C	HECK (1) ONE
OR	CATION - G		tree! No.	Street Na	10 K			ADDRE	y w	nous	re_	<del></del>		
				<u></u>					RR_	Kia	ine	, Du	Sa	e chis
AN	D – If	availab	le subdivi	sion name,	lot & block No.			POST C	FFICE					
Dist	ance in I	eet fro	m well	Building	Sanitary Bldg.	Drain	Sanitary	Bidg. Sewer	l c	loor Drain nnected To	. Sto	m Bldg, C	rain S	itorm Bldg, Sewi
	earest:	(Rec		SH	C.I. 10	Other	Cilia	Other		wer Other		i. C	ther C	C.I. Other
bloc		<del> </del>	er Sewers	Foundati	on Drain Connec	ted to: S	ewage su	mp   Clear	rwater   Se	eptic Holdi	ng   Sewage	Absorptio	n Unit	
ian.	Storm	C.I.	Other	Sewer	Sewage Sump				mp T	ank Tank	Seepage	Pit	75,	#
		ļ		Clearwal Dr.	Sump	iL_			<u> 5</u>	<i>[</i>	Seepage	Trench		
Privy	Pet Waste Pit	Well	lonconfo	rming Exist	ing   Subsurface Nonconfor			Barn   Anima utter   Barn   Pen		Silo With Pit	Glass Lined Storage Facility	Silo E w/o Si Pit Pi	erthen Silag orage Tren	je ch Or
		Pump									demity		•	
Tempo		Watert	ight Manure	Solid Mani Storage	re Subsurface Gasoline or	Waste P Dispose	ond or La	nd Other	(Give Desc	ription)		<del>i</del>		
< tack		Tank	İ	Structure	Oil Tank	(Specif	fy Type)							
J. Wel	l is inten	ded to	supply w	ter for:	11		,,, <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	9. FORM	ATIONS	<del></del>				
					Home					Kind		Fre	om (ft.)	To (ft.)
	ILLHOI in.)   Fro		To (ft	.)   Dia. (i	n.)   From (ft.)	) To	(ft.)	17		.0		S	face	3
4		, (i. (i. i.)			110111 (11.)	1	(11.)	1.5	A CONTRACTOR OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF TH	<u> </u>		Sui	30	
18	S	ırface	20	<u>'   </u>				1	end				5	75
		0	54	8T	- {				8.	1	y .	0	7-	210
7. CA	SING, L	NER.	URBING	AND SCE	REEN	<u> </u>		<del>                                     </del>	zino	19/	Vilive	<del>4  </del>	<u> </u>	- 1 -
<u>)ia. (</u> i		& Met	hod of A	ssembly	From (ft.)	To	(ft.)		_La	nd X	rek		1/0	348
6"	12	1414	Stan	D Bes	Surface	2	33		Are and the second	•				
		44	1.					2.0						
44	4-15_	Je	SI	. 0	<del></del>							i		<u> </u>
45	TM	À 4	ີ່ 3					<u> </u>						
-	1		-+		7-1	Alle	S. S. S. S. S. S. S. S. S. S. S. S. S. S							
	74	in	M	aa.	retalox	1000		10 TVPF	OF DRII	I ING MAC	HINE USEI	<del>,                                    </del>		
											Rotary-han		1_	
ర. GR	OUT OF			NG MATE	: 4	١ _	æ. s	]	Cable Tool		mud & air		ے ل	etting with Air
		K	ind	. :	From (ft.)	10	(ft.)	┨ └┚╹	Rotary-air v/drilling n	į	Rotary-nar & air	IIIIEI		_} ^" □ Water
	ull	Cu	Thine		Surface	2	0		Rotary-w/d nud	rilling	Reverse Ro	otary		
•			(					Well const	ruction cor	npleted on	au	A 11	/	19 7 7
1.	MISCE	LLAN	EOUS I	ATA		26	·	1			- 2	包 abov	re Gard	<del></del>
	Yield T	est:		15	Hrs. at —	20	GPM	Well is term	ninated _	10	inches	☐ belo	w	grade
	Depth f	rom sw	rface to n	ormal wate	r level	10	Ft.	Well disinfe	ected upon	completion	1	<b>□</b> Yes	□ No	
	Depth o	of water		110	t. Stabilized	Ye.	s 🗆 No	Well sealed	watertight	upon com	pletion	— ✓ Yes	□ No	
	Water s				mile	200		•	la	boratory or	Au	41	2	1977
pash	pinion	concern	ing other	pollution l	azards, informa in grouting, blas	tion conc ting, etc.,	erning diff	iculties enco	untered, as	nd data rela	ting to near	y wells, a	creens, sea	is, method of
gnati	nte	<u>.                                    </u>			·			Complete	Mgil Addre	:55				
4	100	•	7/	1		<b>.</b>		سري زرا	ركبا	1.	1.	•	A	. 1

State of Wisconsin Department of Natural Resources Box 7921 Madison, Wisconsin, 53707

NOTE:

White Copy Green Copy Yellow Copy Division's Copy Driller's Copy Owner's Copy WELL CONSTRUCTOR'S REPC Form 3309-15 Rev. 1- 1982

<del></del>							
1 COUNTY South	CHECK (V) ONI	: Village	City	None H	in a	9. 1.	
Section Section	Township Ran	·	NAME OW	NOR AGENT	CAT FIME OF	DRILLING C	HECK (A) ONE
2. LOCATION Plant of the NE 2		6E	7	Janes)	Harr	ميد ما	TECK (V) OIVE
OR - Grid or Street No. Street Nam			ADDRESS		7		
				<u> </u>	<u>Y.                                    </u>		
AND - If available subdivision name, lo	it & block No.		POST OFFICE	D .		0	7 -
M/i7	ederas	1	( )	Laure	روملکم در	Sac. C	res
4. Distance in feet from well' Building	Sanitary B. 19. Drain	Sanitary Bld	g. Sewer   C	Floor Orain onnected To:	Storm Bio	g. Drain S	torm Bidg. Sew
to nearest: (Record 2)	C.I. Other	C.I.		ewer Other Sev	ver C.I.	Other C	.I. Other
answer in appropriate SOM	5011	X4 M	61	$\mathcal{L}$		ļ	!
Street Sewer   Other Sewers   Foundation		Sewage Sump	· Clearwater   S	eptic Holding	Sewage Absor	ption Unit	
San. Storm C.I. Other Sewer	Sewage Sump	C.I. Other	Sump	Tank Tank	Seepage Pit	7575	7
Clearwate	r Clearwater	!		00	Seepage Bed		1251
Privy Pet Pit: Nonconforming Existin	Sump      Sump	om Barr	Animal Anima		Seepage Trend		
Waste Well	Nonconforming Exi	C utt		With Pit! S.	age w/o	Earthen Silag Storage Tren Pit	ch Or
Pump			:	Fac	inty Pit	Pit	
Tank	<u> </u>	:	! !			<u> </u>	
Temporary Watertight Solid Manur Manure Liquid Manure Storage	Gasoline or Dispos	Pond or Land	Other (Give De	scription)	-		
Stack Tank Structure	Oil Tank (Speci	ify Type)	!			,	***
			<u> </u>			بالمتعام بوال	
5. Well is intended to supply water for:		9.	FORMATIONS		.d	S. S. S	
	Homo			Kind		From (ft.)	To (ft.)
6. DRILLHOLE			0	11/10	111		- 3
Dia. (in.) From (tt.) To (ft.) Dia. (in.	From (ft.) To	o (ft.)	ه مرکر	V YL	A Plen	Surface	30
	1		- And the	A DE TON			
Surface 15	ļ	ļ	<i>**</i>	0-1-K1	6	30	125
J. C. Suriace J.C.			يدانون	A V		<u> </u>	
6 1/5 275		- [	$A \sim 1$	//		1.71	.771
2 CASING LINES CURRING AND SORE			signa			100_	- XXX
7. CASING, LINER, CURBING AND SCRE Material, Weight, Specification	en.	1	0 سيمير	$\Omega$ $\Omega$		395	ファく
Dia. (in.) & Method of Assembly	From (ft.) To	o (ft.)	Alm	x ixac	<b>A</b>	صلمك	<del>7</del> 73
IN M. W. It a Date t	4.	مر مرام الم		, ,	i		1
6 Call stand fly	Surface	2645			<u></u>		·
101-4 4. 4. P					j		
19.45 new 11 01 C.							
1 4, 12.	A Parker		Sec 4-2	77-87 L	Ator in	$\frac{1}{2}$	S.L.
sumitoma Metals		*	265 1-4	22 02 10	sier in	WID. T	110
4C+M4 52							
1/19 / MIN 33		1			Į.		
		1,	. TYPE OF DRI	LLING MACUI	VE LISED		<del></del>
		1"	, THE OF DRI		otary-hammer		
2			Cable Too	1 1	drilling		etting with
8. GROUT OR OTHER SEALING MATER	1 1		•	t t			¬ Air
Kind	From (ft.) To	o ((t.)	Rotary-air w/drilling	mud   🗀 🐇	otary-hammer air	<u> </u>	=
111.0100	/		Rotary-w/	drilling	_	! 1	Water
_ Krik Willings	Surface /	<u>ノート</u>	mud	L R	everse Rotary		
		[			A	<b>-</b> 7)	0
		w	ell construction co	ompleted on	soul	29	<u> </u>
11. MISCELLANEOUS DATA				4.5		above Good	
Yield Test:	Hrs. at 20	GPM \w	ell is terminated	ir	nches 🗀 1	below timat	grade
Depth from surface to normal water	level ///	Ft. W	ell disinfected upo	n completion	( <b>X</b>	Yes 🗆 No	
		=		<del></del>			
Depth of water level when pumping Ft.	. Stabilized 🗹 Ye	. D Nolw	ell sealed watertigh	nt upon complet	tion 🖄	Yes 🗆 No	
when pumping Ft.	Statutized ISD TE	77 6	cu senica water tigh	apon complet			
Mater comple comt to	Mas	Home	1	laboratory on	()don	D 30	1980
Water sample sent to	11140	111			Maria	t	
Your opinion concerning other pollution ha	zards, information cond	cerning difficu	ties encountered,	and data relating	g to méarby we	ils, screens, sea	s, method of
finishing the well, amount of cement used in	i grouting, blasting, etc.	., snouna de giv	en on reverse side.	• 			
Signature O	1 1	C	omplete Mail Add	ress			
Sename Hotel	U. U.		215 Par	<i>y 1</i>	W.	. 🖍	/
~ Collegne 1101	W Sugarara Wall	Deiller	LUS Par	ullere	1 rai	200 /V#	sai

State of Wisconsin Department of Natural Resources Box 450 Madison, Wisconsin 53701

NOTE:

White Copy
Green Copy
Yellow Copy

- Division's Copy
Driller's Copy
Owner's Copy

WELL CONSTRUCTOR'S REPORT STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE

	UNTY	ls et	1	n		CHECK (V	) ONE					Pame	e		1	1		
اردان	N121	¼ S	eczion	Section		Township	Ran	ge v		AME &	☐ City OWN	ZA ER □_A	GENT A	<u>نام رحرا</u> AT TIME (	<u>عر ) یمن</u> DF DRII	LLING C	HECK	(√) ONE
_: 100	CATION	77.4	Li Ku	2	5_	ION		6E	_	<del></del>	Ti	ed	Ka	ma	لعا			
OR	– G	rid or S	tTeet No.	Street	Name				I A	DDRESS		,		•				
ANI	D – If	availab	, , , , ,	ision nam		k block No.			P	OST OF	FICE پور	Trus	PI	iti	l 10	Ilin	,	
4. Dist	tance in	feet fro		Building		nitary Bldg. D	rain	Sanitar	y Bldg.	Sewer	Con	oor Drai	ro:	Story	Bidg. Dr	ain S	torm B	ldg. Sewer
ansv	learest: wer in ap	(Rec propria		In W		C.I.O.A.O	ther	C.1.	-/+	Other		ver Oth		C.I.	Oti	ner C	:.1.	Other
Stree	t Sewer	Oth	er Sewers	iFound.	ation E	rain Connecte	d to	Sewage S	émp	Clearw	ater Se	ptic Ho	lding S	ewage Ab	sorption	Unit	1	
San.	Storm	C.I.	Other	Sewer		Sewage Sump	1 1	C.I. C	ther	Sum	٠	٠ ا	<u> </u>	eepage Pit eepage Be		75	21	
	-		<u> </u>	Cleary Dr.		Clearwater Sump	$\bot \bot$			1	6		S	eepage Tro	ench			
Privy	Pet Waste Pit	Well	lonconfo	rming Ey	isting	Subsurface P Nonconform			Barn Gutter	Barn Pen	Animat	Silo With Pi	Glass I Storac Facilit	_ined   Sil ge   w/ y   Pil	o Ear o Sto Pit	then Silag rage Tren	e ch Or	
İ		Pump																
Tempo		Watert	ight   Manure	Solid Ma Storage	nure	Gasoline or	Dispo:	Pond or I		Other (G	ive Desc	ription)	<u> </u>		<u> </u>			
Stack		Tank	i !	Structur	e	Oil Tank	(Spec	ify Type)							المعمودون			
Wel	l is inter	ded to	supply w	ater for:		7			9.	FORMAT	TIONS							
					<u> </u>	ame						Kind			Fron	n (ft.)	T	o (ft.)
	in.) Fro		To (ft	) l Dia.	(in.)	From (ft.)	l Ta	o (ft.)	•	1	n	. 0			Surfa		1	•
		<u> </u>	<del> </del>		```	11011. (-11)				70	1 300	111	-	1	Julia	/	ت ا	
10	s	urface	.20				-				and.	Pre	avef		$\mathcal{E}$	2	1	<u>3_</u>
	12	0	26	7							81	D	/C/	2		15	1	15
7. CA	SING, I		CURBING Weight, S	G AND SO	REEN	1	<u> </u>		_		70	7 0		<u> </u>		<u> </u>		
<u> Dia. (i</u>		& Met	hod of A	ssembly	/	From (ft.)	To	o (ft.)	-	/	Sa	nd_		-	/-	25	12	<u> 25</u>
6"		ech	Store	<u>Deil</u>	1	Surface	٥	256			Sa	nd	Hon	ch_	2	<u> </u>	12	67
9.	45	"Je	uft	Th	<u>e</u>	•		/	4		_				ļ			
A	5/	M.t	<del>53</del>		_			$\angle$							<u> </u>			
$\mathcal{A}$		it		L M	1	-) LL												
			<u>-</u>		•		•		10.	TYPE O	F DRIL	LING MA				_=-	J <del></del>	
	OLET OF	OTH	R SEAL	DIC MAT	<u> </u>		1			₩ car	ole Tool	1	, w/dr	ry-hamme illing & air	<b>≜</b> T	، 🗖 ا	etting w	rith
o. GR	001 01		ind ind	ING MAI	EKIAH	From (ft.)	T	o (ft.)		— Ro	tary-air		— Rota	ry-hamm	er		_ A	
	10.	00 1	6-47	<del>,</del>			1		7	Ro	drilling m tary-w/di	l.	& air			[	_ w	ater
	Ch.	416	ids	ing	2	Surface		<u> </u>	+	<u> </u>				erse Rotar	<u>y</u> 	0	<del></del>	<del></del>
	MISCE	HIAN	EOUS I	ATA			<u> </u>		Wel	l constru	ction con	npleted (	ON	111	above	8	19	4
	Yield T			سخ		Hrs. at	5	GPM	Wel	l is termir	nated _	10	<u>inch</u>		) below	441661	grade	·
	Depth f	rom su	rface to n	ormal wa	ter lev	el	2	Ft.	Well	disinfect	ed upon	complet	ion	K	Yes	□ No		
	Depth o	of water	,	10	Ft.	Stabilized	K Y	es 🗆 1	vo Wel	sealed w	atertigh t	upon co	mpletio	n 🗆	Yes (	□ No		
	Water s					/	na	die		<u></u>		boratory		lug		9	1	977
trushi	opinion ing the w	concern eli, am	ing other	pollution	n hazar ed in go	ds, informatio outing, blastir	n conc ng, etc.	erning di ., should	ifficulti be give	es encoun n on rever	tered, ar se side.	d data r	elating t	o nearby	wells, sa	eens, sea	s, met	od of
gnati	ure C	201		$\alpha^n$	,	) /			Co	npleis Ma	Addre	ss		$\overline{\mathcal{L}}$			,	
	J.	<i>  </i>  /.		74	. V.	)	· 30.50	Delline	100	11.	, p	a.c.	$\mathcal{L}$	/ " ,	, .	1	4	

NOV 2 1 1975

STATE OF WISCONS! 41
DEPARTMENT OF NATURAL R
BOX 450
Maduson 1971

NOTE
WHITE COPY - DIVISION'S COPY
GREEN COPY - DRILLER'S COPY
YELLOW COPY - OWNER'S COPY

Madison, Wisconsin, 53701

1 COUNTY	<del></del>		<del></del>		. 31	<del></del>				
1. COUNTY	$\mathcal{A}_{\mathcal{C}}$	in to		(`HI Town	CK ON	Village [ ]			2, 1	
2. LOCATION	- ¼ Sec	1 /	tion Town		Range	3. OWNER AT TIN	ME OF DRILLING	Miene Mich	, ste sta	<u> </u>
OR Grid-or-str	reet 110	<del></del>	et name	6/11/0	<u></u>	ADDRESS	ug Do	exer	!	<del></del>
1-12 134	12					$R \neq$	ZD .			
AND -It availab	ole subdivis o	. 4.	mater	ν		POST OFFICE	Peair	e sli	day,	
4. Distance in	feet from	well to near	st: BU		ITARY SEWER I. /   TILE	FLOOR DRAIN C. I. TILE SEW	FOUNDATION FOUNDATION		WASTE WA	TER DRAIN TILE
		propriate blo		6 ft 25	SP	30 AT	no	na	25/	
CLEAR WATER C. I.	DRAIN   SE		PRIVY	EPAGE PIT	ABSORPTION	FIEED BARN	SILO ABANE	ONED WELL	SINK HOLE	
40.12		50 pt		10/4	<u> </u>					
OTHER POLLU	TION SOUR	CES (Give d	escription suc	ch as dump, qu	iarry, drainage i	well, stream, pond, la	ike, etc.)			
5. Well is inter	nded to sup	oply water f	or:	Home	,					
6. DRILLHOL	LE					9. FORMATION	vs		<del></del>	
Dia. (in.) F	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)		Kind		From (ft.)	To (f
10	Surface	15				Top	sail		Surface	5
6	15	258				San	d Grave	Class	5	15
7. CASING, L	INER, CU	RBING, AN	ID SCREEN	V		0	0		1-	0,000
Dia. (in.)	Kir	nd and Weigh	t	From (ft.)	To (ft.)	Q	int 1	<del></del>		8-5
6"	New >	Stant	Bek	Surface	248	Su	nds G	ravel	85	175
L.	tool 1	19.18	# Lew			1	D Rose	h	175	251
2	y J	20	7				<del>~~~~</del>			-
A.		<u>:                                    </u>				r <del>/</del>				
		·			, ,					<del></del> -
8. GROUT OF	R OTHER	SEALING	MATERIAL	- \		10. TYPE OF D	RILLING MAC	HINE USED	<del>,                                    </del>	
	Kind			From (ft.)	To (ft.)	Cable Tool	🗀 0	irect Rotary	Reve	rse Rotary
Hril	& Eust	tingo	2	Surface \( \)	15	Rotary - air		otary — hamn drilling mud &		ng with
•		1			$\mathbb{R}^{d}$	Well construction		79.1	il 8	1975
11. MISCELL Yield test:	ANEOUS	DATA	Hrs. at	25	GPM	Well is terminate	ed 8	inches	above below	final gra
Depth from su	urface to no	ormal water	level	88	ft.	Well disinfected	upon completic	on	₩ Y	es 🔲 No
Depth to wate				88	ft.	Well sealed wate	rtight upon con	npletion	<b>₩</b> Y	es 🔲 lc
Water sample s					/	nadina	laboratory	on: Ca	Spil 9	19-75
	joints, met					difficulties encou d in grouting, blass				
SIGNATURE	^					COMPLETE MATE	ADDRESS	<del></del>		
1/0		Thek	1/20-	gistered Wel	l Drillar	245 Ja	A Clas	Pini	Sin Du	Sen
MIN	me f		7///ne	yistereu vver	se do not wri	te in space below		in		
COLIFORM TE	ST RESULT		G	AS - 24 HRS.			ONFIRMED	REM	ARKS	

STATE OF WISCONSH 42
DEPARTMENT OF NATURAL RESOURCE
Box 450
Madison, Wisconsin 53701

					YELLOW C	OPY - OWNER	'S COPY	_			
NTY	8-	1.		(II) Town	LCK ONI	Village	City	AME .	Ω	J la	
LOCATIO	1	1/ 1 .	ection Town		Range	3. OWNER AT		RILLING	2 19x	) Sa	
OR - Grid or	street no.	Υ	eet name	ON R	6=	ADDRESS	4 Cla	ue			
iD -1f ava	ilable subdivisi	on name, lot	& block no.			POST OFFI	CE / 1.	+ 1			<del></del>
		<del></del>	iur	II DINC ICAN	UTABLE COURT	Deer.	Da	by like	سيم		
4. Distance	in feet from	well to nea	rest:		C. I. TILE	C. I. TILE	SEWER CO	NECTED INDE	PENDENT	C. I.	TER DRAIN TILE
	erd answer in a			30   4	ABSORPTION	FIELD   BAR	N   SILO	IABANDONED	WELL IS	NK HOLB	
C. 1.	TILE	/		DE NOO III	100	BAR	J. J.LO	ABANDONED	WELL SI		
OTHER POL	LUTION SOU	48		di un dunun a	158	well, stream, por	_				<del>-</del>
. ———	LC HON SOC	KCES (Give o	escription suc	rn as dump, q /	uarry, drainage	weii, stream, por	id, lake, etc.)				
! Well is in	tended to su	pply water	for:								
6. DRILLH	OLE			uso		9. FORMAT	TIONS				
Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)		Kind			From (ft.)	To (ft.)
_/0	Surface	20	6	20	263	20-	I+ cu	and		Surface	237
							117			237-	1/2
7. CASING	, LINER, CL	JRBING, A	ND SCREEN	V		X Alma	· san	<u> </u>		2010	10-3
Dia. (in.)	К	ind and Weigl	ht .	From (ft.)	To (ft.)						
	19.451	1 655	ANT	Surface	239	John Service Control			į		
					1						
					and the second						
					See See			<del></del> _			
				2 ⁵	1				-		1
		unin. 11		A SECOND							
GROUT	OR OTHER	SEALING	MATERIAL	L ARE	1	10. TYPE O	F DRILLIN	NG MACHINE	USED		
	<u>Kin</u>	<u>d</u>		From (ft.)	To (ft.)	Cable Too	ol	Direct R	otary	Rever	se Rotary
. Cla	y she	my	- April 1	Surface	20	Rotary – w/drilling		Rotary -			g with r Water
0	7`					Well constru	ction comp	leted on	10-		19 76
** MISCE	LLANEOUS	DATA	Hrs. at		/J GPM	Well is termi	nated	9 inche	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	above	final grade
Depth from	surface to n	ormal wate	r level		78 ft.	Well disinted	ted upon c	ompletion			Nc
bepth to w	ater level wh	en pumping	1		84 tr.	Well sealed v	vatertight u	pon completio	n		Nc
' :ter samp		1/1	- Ll		Lucien	د م	lab	oratory on:		-25	1997
type of casis	ng joints, me			s, informati	ion concerning	difficulties er d in grouting,			ing to nea	rby wells, s	
tr given on		$\overline{}$				COMPLETE N	IAIL ADDRI	ESS 1			
		Prana	Ra	gistered We	ill Driller	Ra	lesin	Linear		-i-	
	7	W W	- 116			te in space bel					
CULIFORM	TEST FESUL	T	\ G/	AS - 24 HRS		- 48 HRS.	CONFIR	MED	REMARI	KS	

SEU : 6 1974

NOTE
WHITE COPY - DIVISION'S COPY
GREEN COPY - DRILLER'S COPY
YELLOW COPY - OWNER'S COPY

STATE OF WISCO DEPARTMENT OF NATURAL Box 450 Madison, Wisconsin, 53701

	TELLOW	OFT - OWNER SCOPT	
1. COUNTY	CHECK ONE	XAXE	$\vec{A}$
muse		Village City Heartin	Jan Jan 1
	nship Range	3. OWNER ATTIME OF DRILLING	•
OR - Grid or street no. Street name	2/V	ADDRESS	
Street hame		NEEKESS O.	;
AND -If available subdivision name, lot & block no.  U. l-xalna		POST OFFICE Sauk City	, Wes.
4. Distance in feet from well to nearest:	JILDING SANITARY SEWER	FLOOR DRAIN FOUNDATION DRAIN /	WASTE WATER DRAW
(Record answer in appropriate block)	St SOA	C. I. TILE SEWER CONNECTED INDEPENDENT	20 ST THE
	EEPAGE PIT ABSORPTION	FIELD BARN SILO ABANDONED WELL S	INK HOLE
18 1 TILE 75 AT	100 ph		
OTHER POLLUTION SOURCES (Give description sur	ch as dump, quarry, drainage	well, stream, pond. lake, etc.)	<del></del>
5. Well is intended to supply water for:	Jone		
6. DRILLHOLE		9. FORMATIONS	
Dia. (in.) From (ft.) To (ft.) Dia. (in.)	From (ft.) To (ft.)	Kind	From (ft.) To (f
Surface \$20	Ca	wing Sand & Charles Charles	Surface 46
6 IO 263		le let flowed	400 /1c
7. CASING, LINER, CURBING, AND SCREE	N	0 0 00	140
Dia. (in.) Kind and Weight	From (ft.) To (ft.)	Sund a Clay	110 160
6' Newstand Bek star	Surface 356	Sand	160 202
19 18 th the		Send Rock	235 21=
The second second		/ / /	
8. GROUT OR OTHER SEALING MATERIAL	1\	10. TYPE OF DRILLING MACHINE USED	
Kind	From (ft.) To (ft.)	Cable Tool Direct Rotary	Reverse Rotary
10.001	Surface 0	☐ Rotary — air ☐ Rotary — hammer	Jetting with
Harel Cullings	Surface 9	w/drifling mud with drilling mud & ai	
0		Well construction completed on	1 1974
11. MISCELLANEOUS DATA	<u> </u>	Wall is surminated to inches	8 above final or:
Yield test: Hrs. at	25 GPM	Well is terminated /o inches	below final gra
Depth from surface to normal water level	105 ft.	Well disinfected upon completion	Yes No
Depth to water level when pumping	105 ft.	Well sealed watertight upon completion	Çat Yes □ .k
Water sample sent to	Made	som laboratory on: Oct	c.3 197'
Your opinion concerning other pollution hazard type of casing joints, method of finishing the way be given on reverse side.	ds, information concernin ell, amount of cement use	g difficulties encountered, and data relating to need in grouting, blasting, sub-surface pumprooms,	earby wells, screens, seats access pits, etc., should
SIGNATURE OL 1.		COMPLETE MAIL ADDRESS  245 Fast Que	A. A.
JUI IN THE PELSON R	egistered Well Driller	is in arrow below	JANU JUL
COLIFORM TEST RESULT G		ite in space below  - 48 HRS. CONFIRMED REMAI	RKS

DEC 15 1976 STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES **ELL CONSTRUCTOR'S REPORT** NOTE FORM 3300-15 Box 450 WHITE COPY -- DIVISION'S COPY GREEN COPY -- DRILLER'S COPY YELLOW COPY -- OWNER'S COPY Madison, Wisconsin, 53701 CHECK ON **X** Town Village City TIME OF DRILLING 14 Section Range 3. OWNER Section Township 25 ADDRESS - Grid or street no. Street name -1 f available subdivision name, lot & block no POST OFFICE BUILDING SANITARY SEWER FLOOR DRAIN FOUNDATION DRAIN
SEWER CONNECTED INDEPENDENT WASTE WATER DRAIN Distance in feet from well to nearest: C. I. TILE C. I. TILE C. I. TILE 30 (Record answer in appropriate block) CLEAR WATER DRAIN | SEPTIC TANK | PRIVY | SEEPAGE PIT ABSORPTION FIELD SILO BARN ABANDONED WELL SINK HOLE C. I. THE ノビーゼ OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.) Well is intended to supply water for: 9. FORMATIONS DRILLHOLE From (ft.) From (ft.) Dia. (in.) From (ft.) To (ft.) Dia. (in.) To (ft.) Kind To (ft.) Surface **Surface** 7. CASING, LINER, CURBING, AND SCREEN To (ft.) Kind and Weight From (ft.) (in. Surface 10. TYPE OF DRILLING MACHINE USED **GROUT OR OTHER SEALING MATERIAL** From (ft.) Cable Tool Direct Rotary Reverse Rotary Jetting with 🔲 Rotary – sir Rotary - hammer Surface ስ w/drilling mud with drilling mud & air ☐ Air ☐ Water Well construction completed on 19 7 4 above MISCELLANEOUS DATA Well is terminated inches final grade **GPM** below Hrs. at eld test: Yes N Well disinfected upon completion  $\Box$ ft. pth from surface to normal water level Well sealed watertight upon completion Yes ft. Depth to water level when pumping laboratory on: iter sample sent to Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-surface pumprooms, access pits, etc., should

iven on reverse side.

TURE

Registered Well Driller

COMPLETE MAIL ADDRESS

Please do not write in space below

GAS - 24 HRS. **COLIFORM TEST RESULT** 

GAS - 48 HRS.

CONFIRMED

REMARKS

DEC 1 1 1973

STATE OF WISCONS...
DEPARTMENT OF NATURAL RESOURCES
Box 450

WELL CO: FORM 3300-		OR'S REI	ORI	DEC 11	WHITE COP	NOTE Y - DIVISION'S PY - DRILLER'S DPY - OWNER'S	S COPY	DEPARTMENT O	F NATURAL RES Box 450 , Wisconsin 53701	
1. COUNTY	Sin	h		CHE Jown	CK ONE	/illage	City 6	D'AME.	De S	
2 LOCATIO	N-7 4.54	ction Se			Range	3. OWNER AT		RILLING	1	
ACC.	141 111	1/1/4 0	7) 2-1	ON	6E	Jer	one	Censi	<i>た</i>	
OR - Grid or	street no.	Stre	et name	·		ADDRESS	$Q_{n}$	+ 1-10-	) R1	
AND -If avai	hable subdivis	on name, lot	& block 6.			POST OFFIC	E Z	in significant	<u> </u>	
The W	enden	40:	Tet.	34	CADY CRUED	FLOOR DRAIN	m	my / //	unn).	TER DR
4. Distance	in feet from	vell to nea	rest:		I. / TILE		FOU SEWER CON	NECTED INDEPEND		TILE
	erd answer in a		1/	1.11 30		354		more	- 23/1	
CLEAR WAT	ER DRAIN S	EPTIC TANI	PRIVY	EEPAGE PIT	ABSORPTION	FIELD BARN	SILO	ABANDONED WEL	L SINK HOLE	
3011	1	40	1	75	1		1	1		
OTHER POLI	LUTION SOU	RCES (Give o	lescription su	uch as dump, qu	arry, drainage	well, stream, pon	d, lake, etc.)	)	- <del>'                                   </del>	
E Mall is in			for	: /						
5. Well is in	itended to st	Thhis water	"··· 🔏	Jame	<b>.</b>					
6. DRILLH	OLE			1		9. FORMAT		-	1	1
Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)		Kind		From (ft.)	To 11
10	Surface	10	l			Ses	-J+C	lay	Surface	15
1	13	270				v . 1	. 0 0	101.100	, 15	6.
7. ČASING	LINER C		ND SCREE	N .		muyon	nd re	raver + Cla	/ / 3	02
Dia. (in.)		lind and Weig		From (ft.)	To (ft.)	180			60	12
6"	71.	.14.	0	Surface	11.	D	1	il na	125	125
_6	reco	XI OV		-	260	Sag	met g	Meanett	(4) 100	100/00
	Den	ste	<u> </u>			Sa		reh_	245	2/
			•						}	
	<del> </del>			<del> </del>		,				
				<u> </u>	l	/_/_				<del></del>
						<i>A</i>				
8. GROUT	OR OTHER	SEALING	MATERIA	\L	L	10, TYPE O	F DRILLI	NG MACHINE US	D	<del></del>
	Ki	nd		From (ft.)	To (ft.)	Cable Too	ol	Direct Rotary	Rev	erse Rotary
_H	016	there		Surface	10	Rotary - w/drilling		Rotary — han with drilling mud		ing with Air We r
, -						Well constru	ction com	oleted on	29	1973
11. MISCE	LLANEOU	SDATA			<u> </u>	Well is termin		inches	above .	final gr e
Yield test:		15	Hrs. at	20	GPM GPM	AAGII IS FGIIIII		/0 Inches	below	
Depth from	n surface to	normal wate	r level	//2	ft.	Well disinfec	ted upon o	completion	ZL Y	Yes No
Depth to w	vater level w	hen pumpin	g	125	ft.	Well sealed v	vatertight :	upon completion	区,	Yes No
Water samp	ple sent to			1	nadis		la	borstory on:	m 30	197 3
Your opinion	on concernii	ethod of fir	lution haza	rds informat	ion concernin	a difficulties er	ncountered blasting, su	l, and data relating ub-surface pumprod	to nearby wells, oms, access pits,	screens, seals etc., should
be given on	reverse side	<u>.                                    </u>	<del></del>			COMPLETE N	IAU ADDI	RESS	`	
SIGNATUR		Elect	0.1	Registered We	u Deilles	245	Harr	Our Es	nnio.	De Se
XG1	Krane.	UPEL				ite in space bel				
COLIFORM	TEST RESU	LT	1	GAS - 24 HRS	GAS	- 48 HRS.	CONFI	RMED RI	EMARKS	

COLIFORM TEST RESULT

DEC 16 1976 STATE OF WISCONSI
DEPARTMENT OF NATURAL F
Box 450
Madison, Wisconsin 53701

بالادا

NOTE
WHITE COPY DIVISION'S COPY

						OPY - DRILLE COPY - OWNER		wadison,	Wisconsin 5570	
TY	- Va	uk		CH A Town	ECK ONE	Village	City 7	O'AME	De So	
LOCATIO	DNF 14.Se		~ ·- ·	enship	Range 6	3. OWNER A	T TIME OF D	PRILLING		=1
OR Grid or	r street no.	<del></del>	reet name	<u> </u>	00	ADDRESS	OO	e crap		
D - If ava	ilable subdivis	ion name, lo	t & block no.			POST OFF	165	0	1	
4. Distance	in feet from		arest: B		ITARY SEWER			Le 1941 X		TER DRAIN
	ord answer in a		المارين المارين	30/1 20	SAU STA	SOF	SEWER CON	NECTEDINDEPENDE	53/1	TILE
CLEAR WAT	TILE			SEEPAGE PIT	1	FIELD BAI	RN SILO	ABANDONED WELL	SINK HOLE	
23/1		100 6			125	P				
OTHER POL	LUTION SOU	RCES (Give	description su	ich as dump, q	uarry, drainage	well, stream, po	ond, lake, etc.	)	_	
f Well is in	ntended to si	pply wate	r for:	Um.						
6. DRILLE	IOLE	1	<del>/</del> -	1		9. FORMA	TIONS			
<u>ia. (in.)</u>	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)		Kind	44 4 4	From (ft.)	To (ft.)
10	Surface	20		<u> </u>		Cravi	y Sin	Seaw Cl	Surface	65
. 2	20	288					+ lo	ulders "		
7. CASING	S, LINER, CI	URBING, A lind and Wei		N From (ft.)	To (ft.)	l &	به 0 م	Gran C	65	120
	7/2	1+: 1	(Rob)	Surface	270	S	0 .	ali .	120	160
	11-0	10 10	Hack	<b>†</b>	3/5	8	And T	clay		240
	Weix	<u>/ 7. / 3</u> '	Just	+			and I	<u> </u>	160	270
<del></del>	er J	9 C.		<del></del>	/		and &	York	240	288
-				<u> </u>	, ,	ļ				
E GROUT	OR OTHER		MATERIA	From (ft.)	/ To:#+1	1		NG MACHINE USE	. —	_
10	100-	<del>/</del>	-	Surface	20	Cable To		Direct Rotary  Rotary — hamr		rse Rotary ng with
- orn	ex Cu	Unge	<b>)</b>	1	-	w/drillin		with drilling mud &	Rair A	ir Water
1 MISCE	LLANEOUS	DATA				Well constr	uction comp	leted on Octo	Lee 21	19 74
' ild test:	1		Hrs. at	25	GPM	Well is term	ninated 	/o inches	below	final grade
Popth from	surface to r	ormal wat	er level	100	o ft.	Well disinfe	cted upon c	ompletion	<b>₹</b>	es 🗌 No
Lepth to w	ater level wh	en pumpir	9	110	ft.	Well sealed	watertight u	pon completion	ZZL Y	es No
V ter samp	ele sent to			me	idisa	~~	lat	poratory on: Ac	tober	13 1974
type of casi								and data relating to b-surface pumproon		
S VRI	/ -	71,0	.h	aniatare d IP/-	U D-:::	COMPLETE	MAIL ADDR	ESS O	<b>A</b> 1	L
3 6 18	sol /	11 400	K K	egistered We Plea	ise do not wri	te in space be	low	u zam	# / (Ye/ _	Nac.

State of Wisconsin Department of Natural Resources Box 7921 Madison, Wisconsin 53707

rest in term

NOTE:

White Copy Division's Copy Green Copy Driller's Copy Yellow Copy Owner's Copy

WELL CONSTRUCTOR'S REPORT Form 3300 - 15

Buratoo Nis 53913

1. COUNTY CHECK (V) ONE: 1 Town ☐ Village City ( Range Section Township 3. NAME AGENT AT TIME OF DRILLING CHECK (A) ONE Ruel 2. LOCATION 6 SE Low Grid or Street No. Street Name AND - If available subdivision name, lot & block No. POS Floor Drain Connected To: 4. Distance in feet from well Sanitary Bidg, Drain Building Sanitary Bldg, Sewer Storm Bidg. Sew Storm Bldg. Drain to nearest: (Record C.I. Other C.I. Other C.I. Sewer Other Sewer C.I. Other Other answer in appropriate block) Street Sewer Other Sewers | Foundation Drain Connected to Holding Sewage Absorption Unit Sewage Sump Clearwater Septic Tank Sump C.I. Other Sewage Seepage Pit Other San Storm CJ. Sewer Seepage Bed 65 Clearwate Dr. Clearwate Sump Seepage Trench Privy Pet Waste Pit Animal Barn Pen Silo w/o Pit Pit: Nonconforming Existing Subsurface Pumproom Barn Gutter Animal Silo Yard With Pit Glass Lined Storage Facility Earthen Silage Storage Trench Or Pit Nonconforming Existing Well 130 Pump 22 123 Tank Waste Pond or Land Disposal Unit (Specify Type) Temporary Manure Stack Watertight Liquid Manure Tank Subsurface Gasoline or Oil Tank Other (Give Description) Solid Manure Storage Structure 5. Well is intended to supply water for: 9. FORMATIONS um Kind From (ft.) To (ft.) DRILLHOLE Dia. (in.) From (tt.) |To (ft.) | Dia. (in.) From (ft.) To (ft.) Surface Surface 7. CASING, LINER, CURBING AND SCREEN Material, Weight, Specification
Dia. (in.) & Method of Assembly From (ft.) To (ft.) newsteel ASTM A53 0 Surface 160 163 arross 10. TYPE OF DRILLING MACHINE USED Rotary-hammer w/drilling mud & air Cable Tool Jetting with 8. GROUT OR OTHER SEALING MATERIAL From (ft.) To (ft.) Rotary-air w/drilling mud Rotary-hammer Air Water Rotary-w/drilling Surface Reverse Rotary 20 19 / Well construction completed on **MISCELLANEOUS DATA** 2 above final grade below **GPM** Well is terminated inches Yield Test: Ves 🗆 No Depth from surface to normal water level Ft. Well disinfected upon completion Depth of water level Ø Yes □ No Yes No Well sealed watertight upon completion when pumping Ft. Stabilized 19 7 laboratory on Water sample sent to Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side. William Smith Complete Mail Address Signature

Registered Well Driller

W	ISCONSIN L	UNIQUE V	VELL	NUMB	ER	/AL	018	Priva	to Water Supply - V	NSV A	11
		ler		Tulapi	Numb					7	7
37.0	*							L Leaster 1	Heeren deservation of market states	o o block su	
CIL			<u> </u>	State		(2.5	Code	Colows City	VOLET Pire	O W avail	biol
	Pr:	airie du	Sac	1	IV		I	od Prairie	du Sac		
Con		Carella Wall Law	. Flores		Wall Cam	77	78 90			mber III ave	نوارا وان
County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County of Ward   County											
	Well Constructe			Registrati	on/ 2			ĺ	ا	)	. •
		er wells	INC.	3_				Gov't Lot	PE NW 4 of SW	% of	
		00 Lake	Road		•		N	Section 25 T	10 m _{N; R} 6	E 🗆	w
•		<u> </u>		Zip (	Code				□ New		
	W	indsor	WI			v 🙀	Ε	Replacement	Reconstruct	ion	
				١,٠				of unique well	cons	tructed in 1	9
				" " N	<u>"                                     </u>		S				_
4 Wall and	1 4 of bo	mes and/or		104	rk Capacity	West	O Yes No	rresent	Mell coutan	inate	<u> </u>
			utry, etc.	H	rh Copacity	Property	TO Yes CRie				
					the Gene	eral La	vout and Surr	Sundings? CXXee	m Point L Jetted	Other_	alla sida
Well Lo	cated in Floodplai	n? 🗆 Yee	₽ No	60	. Downs	pout/Y	ard Hydrant		. Wastewater Sump	METER OF DE	: E 1134.
Distanc	e In Feet From W	/ell To Nearest:						340 18	Paved Animal Bar	n Pen	
<del>30</del>	1. Landfill							rater 140 19	Animal Yard or Sb	elter	
								140 2	. 340 — Type		
60	4. Sewage Absort	otion Unit						22	. Manure Pine (1 Gr	vity () Pro	
	5. Nonconforming	pit Pit		<u>65</u> 14					_		
		_	k					23	Other Manure Stor	mgo	
	Cuty   Teal   Cuty   Change   Teal   Cuty   Change   Teal   Cuty   Change   Teal   Cuty   Change   Teal   Cuty   Change   Teal   Cuty   Change   Teal   Cuty   Change   Teal   Cuty   Change   Teal   Cuty   Change   Teal   Cuty   Change   Teal   Cuty   Change   Teal   Cuty   Change   Teal   Cuty   Change   Teal   Cuty   Change   Teal   Cuty   Change   Teal   Cuty   Change   Teal   Cuty   Change   Teal   Cuty   Change   Teal   Cuty   Change   Teal   Cuty   Change   Teal   Cuty   Change   Teal   Cuty   Change   Teal   Cuty   Change   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cuty   Teal   Cut										
						ater St		24			
6. Drillhol			structing	abbet es	railog	PAR					
(a)		l	- Mud C		į	010.7	Type. Ca	Ving Noncaving, Color	r, Hardness, Etc.	(ft.)	(IE)
	Hwy 78  Craw Prairie du Sac WI Zug United Prairie du Sac WI Committy Wal Lemein De March W Wal Committe Will Lemein De March W Wal Committe Will Sac WI Wall Committe Will Sac William Sauk Prairie du Sac WI Wall Committe Will Sauk Prairie William Sauk Prairie du Sac WI Wall Committe William Sauk Prairie William Sauk Prairie Wall Committe William Sauk Prairie William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committe William Sauk Wall Committee William Sauk Wall Committee William Sauk Wall Committee William Sauk Wall Committee William Sauk Wall Committee William Sauk Wall Committee William Sauk Wall Committee William Sauk Wall Committee William Sauk Wall Committee William Sauk Wall Committee William Sauk Wall Committee William Sauk Wall Committee William Sauk Wall Committee William Sauk Wall Committee William Sauk Wall Committee William Sauk Wall Committee William Sauk Wall Committee William Sauk Wall Committee William Sauk Wall Committee William Sauk Wall Committee William Sauk Wall Committee William Sauk Wall										
10	2/4				j						
6	274 356				i	lacksquare	Medium	gravel		120	145
							Fine -	edium grave	1	145	224
	)					┝─┤	1 2110 -0	coron grave	<u> </u>	127	
		l			70		Grav 11	restone w/c	lav laver	224	274
										T	i
	Casing.						Sandy I	.1mes tone		274	326
<b>-</b>	Material, We	eight, Specificat	ion								
Dis. (in.)	Mig. & Me	thod of Assemb	bly	(ft.)	(ft.)		·			<del> </del>	
6	Std. ste	el PE ne	W	surface	274						1
	10 03 11	000	••							<del>                                     </del>	
	18.97 1D8	.280 Wa	11	<u> </u>					·		
1	Saw-hill	ASTMA-5	3	[		10. S		· · ·		_	
						1 7	It. above	ground level " 43	2, 2	Above	Grade
1				ļ				Storing adultes	_		_
a. (in.)	screen type and m	neterial		From	To	1	-	260		_	= '''
						Pum	ping Level	ADM tes 1			<u> </u>
8.	Hall Intr	or Other Sealing	Material			I			•   • • • •		
			r rom	.7.0			oid you perma			neefe well	?
			(15.)	1	i						
Nea	st cement	-	surface	274.	85			111 7		Pergue Par	
						Sign	ture of Drill	Rig Operator	, (, 'D	ate Signed	<del>*                                    </del>
			<u> </u>				<u> </u>			١.	
MARE add	itional comments (	on reverse side :	sbout geo	logy, etc.	WELL C	ONS.	TRUCTOR				

W	ISCONSI	UNIQUE	WELL	NUMB	ER	3 O	8		Private	Water Supply Box 7921	- WS/2	45
	Jean M	ueller			Ness			_	M	ladisca, WI 53	1707	' /
	-	wy 78						l. Long	المقاد المساحد المساحد		a water a block p	
a	ty	Preirin De		State		1	Code			du Sac	Pro / III avai	arpre)
G			ation		Wa Co	3578	20, 91		rest Address	or Bond Name o	nd Number (if av	nale bles
	Sauk	7- Z: V					D D Y Y	Subdivis	Hwy 78		ot 8 Bloc	.,
	1	rector (Business Na IER WELLS		Registrati	ion / 2	in cor	well location rect 40-acre	Ĺ				
	Address					berce	l of section. N	Gov't La	25 : T 1	NW 4 of	_SW_% of _ DIE □	₩
	City City	00 Lake Ro		71-1	2242	[]		1. W.		☐ New		<del></del>
	W1	ndsor	estate W.T.	<b>~</b> 5:	3598	w x	E	□ R	spinestoent	Recons	traction	
											constructed in	19
	<del></del>						S	ŀ	•	cod or reconst	<del></del> -	
		of homes and/or			gh Copacity		D Yes (2010			<u> </u>	Cent	
		church school ind					Yes Che				ted 🗆 Other	
	_	est Point of Prope lplain?   Yes					yout and Surt ard Hydrant	rounaings?	17.	Wastewater S	amp	ck side.
Distar	ce In Feet Fro	m Well To Nearest	:	10	•	lasian D	rain to Cleary			Paved Animal Animal Yard		
30	1. Landfill 2. Building O	verheng		15	Found	letion D	rain to Gamer		13020	Silo — Type		
<u>60</u>	3. Septic or H	lolding Tank		65 13	3. Buildí	ng Drai	2		14021.	Bern Gutter		
	. 4. Sewage Ab . 5. Nonconfort	sorption Unit			C Carl	tron or	Plastic 口Oth F 漢Gravity 口				□ Gravky; □ Pr Plastic □ Othe	
		me Heating Oil Tar		- A-1			Plastic D Ot				Storage :	
	7. Buried Pet	• • • • •					treet Sewer				Waste Source	
D-011	s. Sporenners le Dimensions	Method of con		10		_						<del></del>
	From To	drillhole only.		abbar est	magad	DME	9. Туре, Са		Geology ving, Color.	Hardness, Et	From c. (ft.)	To (ft.)
Dia. (in.)	(ft.) (ft.	KK 1. Rotary		irculation	ı	100					surface	
	surface	2. Rotary 3. Rotary				-		<del></del>				<del> </del>
	254	A Revers					Sha1	ey lim	estone		356	500
_6	356 5	l	ool Bit				Sand	stone.	white		500	523
5	513 5:		Outer Cas					,				
		If no. e							·			·
		7. Other				]						j
7.	Meterial	ing, Liner, Serven . Weight, Specifics		From	To		<del></del>		·····			Ī
Dia. (in.)	Mig. &	Method of Assem	bły	(ft)	(ft)	1	<del></del>					
				surface								
5	Srd. er	eel PE new		264	513			•				
				20-	323	_	tatic Water L	evol		12. Well Is:		<del></del>
	14.62	lbs ,258 w	all_			┧	ft. above	•	-	1 ,,	Above	Grade
	Sawh	111					8 ft. below	ground sur	face	Developed?	n. Delow	□ No
Dis. (in.)	screen type at	nd material		From	To	7	ping Level	523		Disinfected!		□ No
	Ca	out or Other Sociing	- Masselal		<u> </u>	Pum	ping at 100	GPM for	2 hours	Capped?	<b>&amp;</b> Yee	□ No
Method	NA	eat or Other Seeme	g materiai From	To	# Sacks	13. [	oid you perma	nently seal	all unused.	noncomplying	, or uneafe wel	<b>10?</b>
	Kind of Seeling	Material	(ft.)	(ft.)	Cement		Yes 🔲 1	No I	f no, explais	to be	abandon	ed
5 1	K 6 K P=4	cker- top	surface			IL S	ichature of P	ount Driver	or Register	d Driller	Date Signer	
\				!		SUPPLY	oge of Drill	Rig Operate	n diele	<del>"</del>	Date Signe	
	and be	otbom	1	]	<u> </u>		there	-13	udl	-00	TION REPO	71

WELL OWNER

Form 3300-77A

Rev. 9-88

Made Company   Manage   Manage   Made   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage   Manage	WI	SCONSIN U	NIQUE W	ELL !	VUMB	ER <b>U</b>	Department of Natural Reserved Private Water Supply — W. Box 7921	S72 A	7
Prairie du Sac   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Salés   Sal	Troj	VIbla G	ruber			- Number		7	T
Prairie du Sac  WI 5  County Wil Grandy  Wil Conservedor (Beathean Nature)  Wal Conservedor (Beathean Nature)  Wal Conservedor (Beathean Nature)  Wal Conservedor (Beathean Nature)  Wal Conservedor (Beathean Nature)  Wal Conservedor (Beathean Nature)  Wal Conservedor (Beathean Nature)  Wal Conservedor (Beathean Nature)  Wal Conservedor (Beathean Nature)  Wal Conservedor (Beathean Nature)  Wal Conservedor (Beathean Nature)  Wal Conservedor (Beathean Nature)  Wal Conservedor (Beathean Nature)  Wal Conservedor (Beathean Nature)  Wal Conservedor (Beathean Nature)  Wal Conservedor (Beathean Nature)  Wal Conservedor (Beathean Nature)  Wal Conservedor (Beathean Nature)  Wal Conservedor (Beathean Nature)  Wal Conservedor (Beathean Nature)  Wal Conservedor (Beathean Nature)  Wal Conservedor (Beathean Nature)  Wal Conservedor (Beathean Nature)  Wal Conservedor (Beathean Nature)  Wal Conserved or (Beathean Nature)  Wal Conserved or (Beathean Nature)  Wal Conserved or (Beathean Nature)  Wal Conserved or (Beathean Nature)  Wal Conserved or (Beathean Nature)  Wal Conserved or (Beathean Nature)  Wal Conserved or (Beathean Nature)  Wal Conserved or (Beathean Nature)  Wal Conserved or (Beathean Nature)  Wal Conserved or (Beathean Nature)  Wal Conserved or (Beathean Nature)  Wal Conserved or (Beathean Nature)  Wal Conserved or (Beathean Nature)  Wal Conserved or (Beathean Nature)  Wal Conserved or (Beathean Nature)  Wal Conserved or (Beathean Nature)  Wal Conserved or (Beathean Nature)  Wal Conserved or (Beathean Nature)  Wal Conserved or (Beathean Nature)  Wal Conserved or (Beathean Nature)  Wal Conserved or (Beathean Nature)  Wal Conserved or (Beathean Nature)  Wal Conserved or (Beathean Nature)  Wal Conserved or (Beathean Nature)  Wal Conserved or (Beathean Nature)  Wal Conserved or (Beathean Nature)  Wal Conserved or (Beathean Nature)  Wal Conserved or (Beathean Nature)  Wal Conserved or (Beathean Nature)  Wal Conserved or (Beathean Nature)  Wal Conserved or (Beathean Nature)  Wal Conserved or (Beathean Nature)  Wal Conserved	Mar	-	<u> </u>				1. Leondon Please type or print pales	a block on	a.)
Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Contact   Cont	City		,		State		Zie Code City City Village Pire		
County of Wall Construction   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Companion   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data   Data			du Sec		1	WI			
Wall Conservation (Businesse Name)  Wall Conservation (Businesse Name)  Wall Results IRC.  3  Addresse 6400 Lake Road  City Windsor Will 5798  Windsor Will 5798  Windsor Will 5798  Windsor Will be a seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the seried of the		mir of West	County Mad Lines			Well Comp	otion , Grid or Street Address or Road Name and Nam	pher (if ave	(مادامک
Well Constructed (Business Name)  Water Wells INC. 3  Address 6400 Lake Road  City Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  Windsor WI 53598  W	1000	Sauk	W			× ×	N D B YY Subdivision Name	Dlack	
State   215 Cets   Windsor   State   215 Cets   Windsor   State   215 Cets   Windsor   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State		Well Constructo	r (Business Nam	m) R	legistratic	2	Mark mall leastion 1		•
New Windsor   State   250 Cete   W   State   250 Cete   W   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State			R WELLS	INC.	3		nercel of section. Gov't Lot 9 or NE 4 of NW	16 ad	
New Windsor   State   250 Cote   W   State   250 Cote   W   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State			M take D	and		- 1	N Section 36 ; T 9 N; R 10 X	E	w
Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 10   Constructed in 10   Constructed in 19   Constructed in 19   Constructed in 10   Constructed in 19   Constructed in 19   Constructed in 10   Constructed in 19   Constructed in 19   Constructed in 10   Constructed in 10   Constructed in 19   Constructed in 19   Constructed in 10   Constructed in 10   Constructed in 10   Constructed in 19   Constructed in 19   Constructed in 10   Constructed in 10   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Constructed in 19   Cons		<u> </u>	O LEKE K		Zi- C	==-	X 3. Well Type New		
Reason for new. replaced or reconstructed well?   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Perso		Wi	ndsor '	WI	5359	8   w	Reconstruction	<b>30</b>	
Reason for new. replaced or reconstructed well?   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Person   Perso		L				<b></b>   "		meted in 1	•
Well serves						•	Industrial Inc.		-
Surface   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail   Detail							resent well contaminat		
Wall Located on Highest Point of Property, Consistent with the General Layout and Surroundings? X2ves	Well ser	ves # of bor	mes and/or	tarm	<del></del>   -				
Wall Located in Floodplain?  \( \text{ Yes } \) Yes \( \text{ KNo} \) Detection in Feet From Well To Nearest:  \( \text{ 11. Poundation Drain to Clearwater} \) 18. Paved Animal Bara Pen  \( \text{ 12. Building Overhang} \) 12. Building Overhang  \( \text{ 12. Poundation Drain to Sewer} \) 20. 31. Spide or Holding Tank  \( \text{ 200} \) 13. Building Drain  \( \text{ 210} \) 13. Buylding Prain  \( \text{ 210} \) 13. Buylding Prain  \( \text{ 210} \) 13. Buylding Drain  \( \text{ 210} \) 13. Buylding Drain  \( \text{ 210} \) 13. Buylding Drain  \( \text{ 210} \) 14. Burned Petroleum Tank  \( \text{ 210} \) 15. Rounded Home Heating Oil Tank  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding Drain  \( \text{ 210} \) 18. Buylding	ez: berr	n, restaurant, chur	ch, school, indus	etry, etc.)	High	Capacity I	Porilled Driven Point Detted	Other_	
Distance in Feet From Wall To Nearest:   10. Privy   12. Paved Animal Barn Pee   12. Landfill   11. Poundation Drain to Clearwater   50. 18. Animal Yard or Shalter   12. Building Overhang   12. Poundation Drain to Sharwater   12. Barn Getter   12. Barn Getter   13. Subding Overhang   12. Poundation Drain to Sharwater   13. Subding Overhang   13. Subding Drain   14. Building Drain   15. Sharker   15. Sharker Peroleum Inah   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or Street Sawer   15. Collector or					ont with	the Gene	al Layout and Surroundings? XX Yes	ain on bec	ck side.
12. Foundation Drain to Sewer   20. Sile - Type   220   3. Septic or Holding Tank   200   13. Building Drain   21. Barn Gutter   22. Manuar Pipe   Gravity   Pressure   14. Building Sewer   Gravity   Pressure   15. Nonconforming Pit   21. Barn Gutter   21. Manuar Pipe   Gravity   Pressure   15. Nonconforming Pit   21. Barn Gutter   21. Manuar Pipe   Gravity   Pressure   15. Nonconforming Pit   21. Barn Gutter   22. Manuar Pipe   Gravity   Pressure   23. Sile - Type   Gravity   Pressure   24. Manuar Pipe   Gravity   Pressure   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   2				776		-		_	
12. Foundation Drain to Sewer   20. Sile - Type   220   3. Septic or Holding Tank   200   13. Building Drain   21. Barn Gutter   22. Manuar Pipe   Gravity   Pressure   14. Building Sewer   Gravity   Pressure   15. Nonconforming Pit   21. Barn Gutter   21. Manuar Pipe   Gravity   Pressure   15. Nonconforming Pit   21. Barn Gutter   21. Manuar Pipe   Gravity   Pressure   15. Nonconforming Pit   21. Barn Gutter   22. Manuar Pipe   Gravity   Pressure   23. Sile - Type   Gravity   Pressure   24. Manuar Pipe   Gravity   Pressure   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   25. Nonconforming Pit   2	Distance	e In Feet From W	ell To Nearest:	. <del>-</del>		-	ion Proin to Champton 50 19 Adval Vand of Sha	Pen h	
220 3. Septic or Holding Tank 230 4. Savage Absorption Unit 240 5. Secondorating Pt 251 14. Building Drain 252 14. Building Drain 253 14. Surface or Holding Pt 252 14. Building Sewer   Other   Cast Iran or Plastic   Other   253 14. Building Drain 254   Cast Iran or Plastic   Other   255 14. Building Sewer   Other   Cast Iran or Plastic   Other   256 15. Collector or Street Sewer   Other NR 112 Waste Source   257 15. Collector or Street Sewer   Other NR 112 Waste Source   258 16. Collector or Street Sewer   Other NR 112 Waste Source   259 16. Collector or Street Sewer   Other NR 112 Waste Source   260 16. Clary   Street Sewer   Other NR 112 Waste Source   261 16. Clary vaste Sewer   Other NR 112 Waste Source   262 16. Collector or Street Sewer   Other NR 112 Waste Source   263 16. Collector or Street Sewer   Other NR 112 Waste Source   264 16. Clary   Street Sewer   Other NR 112 Waste Source   265 16. Collector or Street Sewer   Other NR 112 Waste Source   266 16. Clary   Street Sewer   Other NR 112 Waste Source   276   Other NR 112 Waste Source   276   Other NR 112 Waste Source   276   Other NR 112 Waste Source   276   Other NR 112 Waste Source   276   Other NR 112 Waste Source   276   Other NR 112 Waste Source   276   Other NR 112 Waste Source   276   Other NR 112 Waste Source   276   Other NR 112 Waste Source   276   Other NR 112 Waste Source   276   Other NR 112 Waste Source   276   Other NR 112 Waste Source   276   Other NR 112 Waste Source   276   Other NR 112 Waste Source   276   Other NR 112 Waste Source   276   Other NR 112 Waste Source   276   Other NR 112 Waste Source   276   Other NR 112 Waste Source   276   Other NR 112 Waste Source   276   Other NR 112 Waste Source   276   Other NR 112 Waste Source   276   Other NR 112 Waste Source   276   Other NR 112 Waste Source   276   Other NR 112 Waste Source   276   Other NR 112 Waste Source   276   Other NR 112 Waste Source   276   Other NR 112 Waste Source   276   Other NR 112 Waste Source   276   Other NR 112 Waste Source   276   Other NR 112 Waste Source	TO.	2. Ruilding Overh	49 <i>6</i>	•					
A. Savage Absorption Unit   215   14. Building Sewer   Growing   Pressure   Cast Iron or Plantic   Other   21. Manage Pipe   Gravity   Pressure   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Iron or Plantic   Other   Cast Ir	220			•			Drain 21. Barn Gutter		
210   8. Nonconforming Pit   211   14. Building Sower   Gravity   Pressure   Cast Iren or Plastic   Other	230	A Sewam Absort	tion Unit			CTC and 1	name on Marrie C. Orban 22 Manages Pine C. Com	vity C Pro	
7. Burned Petroleum Tank 16. Collector or Street Sewer 17. Burned Petroleum Tank 18. Collector or Street Sewer 18. Shoreline/Swimming Pool 18. Clearwater Sump 19. Geology 19. Type, Caving/Noncaving, Color, Hardness, Etc. 19. Geology 19. Type, Caving/Noncaving, Color, Hardness, Etc. 19. Geology 19. Type, Caving/Noncaving, Color, Hardness, Etc. 19. Clay 19. Type, Caving/Noncaving, Color, Hardness, Etc. 19. Clay 19. Type, Caving/Noncaving, Color, Hardness, Etc. 19. Clay 19. Type, Caving/Noncaving, Color, Hardness, Etc. 19. Clay 19. Type, Caving/Noncaving, Color, Hardness, Etc. 19. Clay 19. Type, Caving/Noncaving, Color, Hardness, Etc. 19. Clay 19. Type, Caving/Noncaving, Color, Hardness, Etc. 19. Clay 19. Type, Caving/Noncaving, Color, Hardness, Etc. 19. Clay 19. Type, Caving/Noncaving, Color, Hardness, Etc. 19. Clay 19. Clay 19. Caving/Noncaving, Color, Hardness, Etc. 19. Clay 19. Clay 19. Caving/Noncaving, Color, Hardness, Etc. 19. Clay 19. Caving/Noncaving, Color, Hardness, Etc. 19. Clay 19. Caving/Noncaving, Color, Hardness, Etc. 19. Clay 19. Clay 19. Caving/Noncaving, Color, Hardness, Etc. 19. Clay 19. Clay 19. Caving/Noncaving, Color, Hardness, Etc. 19. Clay 19. Clay 19. Caving/Noncaving, Color, Hardness, Etc. 19. Clay 19. Clay 19. Caving/Noncaving, Color, Hardness, Etc. 19. Clay 19. Clay 19. Caving/Noncaving, Color, Hardness, Etc. 19. Clay 19. Clay 19. Caving/Noncaving, Color, Hardness, Etc. 19. Clay 19. Clay 19. Caving/Noncaving, Color, Hardness, Etc. 19. Clay 19. Clay 19. Caving/Noncaving, Color, Hardness, Etc. 19. Clay 19. Clay 19. Caving/Noncaving, Color, Hardness, Etc. 19. Clay 19. Clay 19. Caving/Noncaving, Color, Hardness, Etc. 19. Clay 19. Clay 19. Caving/Noncaving, Color, Hardness, Etc. 19. Clay 19. Clay 19. Caving/Noncaving, Color, Hardness, Etc. 19. Clay 19. Clay 19. Clay 19. Clay 19. Caving/Noncaving, Color, Hardness, Etc. 19. Clay 19. Clay 19. Clay 19. Clay 19. Clay 19. Clay 19. Clay 19. Clay 19. Clay 19. Clay 19. Clay 19. Clay 19. Clay 19. Clay 19. Clay 19. Clay 19. Clay 19. Clay 19. Clay 19.	140	5. Nonconforming	Pit		215 14	. Building	Sower   Gravity   Pressure   Cast Iron or Plastic		
8. Shoreline/Swimming Pool  16. Clearwater Sump  24.  Drillhole Dimensions defillhole only.  We find to defulle only.  O surface 276  3. Rotary — No		6. Buried Home H	icating Oil Tank			XII Cies	ros or Plastic   Other 23. Other Massure Store	w	
Drillhole Dimensions From To drillhole only.    Column		7. Buried Petroleu	ım Tank		15	. Collecte	r or Street Sewer Other NR 112 Wast	te Source	
Type, Caving/Noncaving, Color, Hardness, Etc.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   Ift.   I		8. Shoreline/Swim	ming Pool		16	. Clearwe	ter Sump 24		
Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Surface   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay   Clay	Drillbok	e Dimensions		tructing	v sper enk	nikeq	DATE 9. Geology	From	To
Clay   Surface   276   2. Rotary - Nid Circulation   286   2. Rotary - Air   3. Rotary - Foem   4. Reverse Rotary   5. Rotary - Foem   4. Reverse Rotary   5. Cable-tool Bit   in. dia.   Coarse -med. gravel   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-26   63-2	- "- \		drilibole only.				ONLY Type, Caving/Noncaving, Color, Hardness, Etc.		(ft.)
Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   S	<u> </u>	(IE) (IE)	CY. Rotary -	- Mud Ci	rculation	22	e la	analaan	
S. Rotary - Foam   A. Reverse Rotary   S. Cable-tool Bit   in. die.   Coarse - med. gravel   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126   63-126		surface 276				16	clay		5
6 276 335   6. Cable-tool Bit in. die.   6. Temp. Outer Casing in. die.   Removed?   Yee   No							fine exercit & coorse send	۱ ،	63
Stemp. Outer Casing in. dis.   Removed?   Yee   No     Coarse sand and gravel   166   16     Removed?   Yee   No     Coarse sand and gravel   166   16     Removed?   Yee   No     Coarse sand and gravel   166   16     Removed?   Yee   No     Coarse sand and gravel   166   16     Removed?   Yee   No     Coarse sand and gravel   166   16     Removed?   Yee   No     No   No   No   Sand   160   27     Removed?   Yee   No   No   No   No   No   No   No	6	276 335		•			True Stavel & Coarse saud	<del>                                     </del>	103
Ramoved? Yes No If no, explain 7. Other  Casing, Liner, Screen Material, Weight, Specification a. (in.)  Mig. & Method of Assembly  Grade B .280 wall  S_whill  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade B .280 wall  Grade	<del>-                                    </del>	270 335					coarse -med. gravel	63-	126
Casing, Liner, Serven  Material, Weight, Specification a. (in.) Mfg. & Method of Assembly  Grade B .280 wall  S_whill  a. (in.) screen type and material  Greater Other Sealing Material (ethod halliburton Kind of Sealing Material Kind of Sealing Material  Kind of Sealing Material  Neat cement  If no, explain  To ped. gravel and sand  160 22  11mestone  11mestone  11mestone  11mestone  12mestone  11mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone  12mestone	)		□ 6. Temp. U	Julier Cast	<b>NS</b> ———	in. die.			<del>;</del>
Casing, Liner, Serven Material, Weight, Specification Mig. & Method of Assembly  6 std, steel new surface limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone limestone						70	coarse sand and gravel	168	160
Casing, Liner, Screen Material, Weight, Specification a. (in.) Mfg. & Method of Assembly  6 std, steel new surface limestone   1 imestone   226   2    18.97 lbs, ASTMA-53   1 imestone   276   32    18.97 lbs, ASTMA-53   hard limestone   325   32    Grade B. 280 wall   10. Static Water Level   12. Well lex   13. 3ft. below ground surface   24 in.   Below   11. Pump Test   12. Well lex   13. 3ft. below ground surface   24 in.   Below   12. Well lex   13. 3ft. below ground surface   24 in.   Below   14. Developed?   15. Developed?   15. Developed?   15. Developed?   15. Developed?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected?   15. Disinfected	1		_						<b>†</b>
Material. Weight, Specification Mig. & Method of Assembly  6 std, steel new  18.97 lbs, ASTMA-53  Crade B .280 wall  S_whill  a. (in.) screen type and material  Great or Other Sealing Material  Material. Weight, Specification (ft.) (ft.)  From To  Compute the Compute of To  Kind of Sealing Material  Neat Cement  Material Weight, Specification (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft	لمسم						med. gravel and sand	160	226
a. (in.) Mfg. & Method of Assembly (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (ft.) (				ion	From	To		226	276
18.97 lbs, ASTMA-53   hard limestone   325 3.	ia. (iz.)						limestone	220	270
18.97 lbs, ASTMA-53   hard limestone   325 3.	_		•				14mantana n/ shala lawama	276	325
Grade B .280 wall    Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surfa	<u>•</u>	sta, stee.	r new				Timescone w/ Shale layers	270	122
Grade B .280 wall    Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surface   Same of the second surfa	1	18 07 1b	A STMA.	_53			hard limestone	325	335
Grade B .280 wall  Suwhill  a. (in.) screen type and material  Grout or Other Sealing Material  Above  To  Grout or Other Sealing Material  Above  11. Pamp Test  Pumping Level 265 ft. below surface  Pumping at U GPM for hours  Grout or Other Sealing Material  Acthod halliburton  From To  Sacks  Kind of Sealing Material  (ft.) (ft.) Coment  Neat cement  Signature of Point Driver og Registered Driller, Date Signed  Signature of Drill Rig Operator  Dete Signed		10.7/ 10	s, astra-	- , ,			and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	1223	1000
Such 111  a. (in.) screen type and material  Great or Other Sealing Material  (ethod halliburton From Kind of Sealing Material (ft.) (ft.) (ft.) Coment  Neat cement  Such 111  11. Pamp Test  Pumping Level 265 ft. below surface Pumping at U GPM for hours  Developed? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfected? Yes I Disinfe	l	Grade B	.280 wall	1				1	
Action of Sealing Material  Neat cement    Compact of Other Sealing Material   From   To   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compa		27696 0	well	-	<del></del>		15 above ground surface 7, 1, 4	Above	Grade
a. (in.) screen type and material  Grout or Other Sealing Material  Aethod halliburton  Kind of Sealing Material  Neat cement  Surface  From (ft.) (ft.) (ft.) Coment  Signature of Point Driver on Registered Driller, Date Signed  Signature of Drill Rig Operator  Disinfected?  Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes   Disinfected?   Yes		Sawh11	1				11. Perm Test		_
Great or Other Sealing Material  Aethod halliburton  Kind of Sealing Material  Neat cement  Surface  To Sacks  (ft.)  (ft.)  Signature of Drill Rig Operator  Pumping Level 203 ft. below surface Pumping at	a. (in.)				From	To			U No □ No
Grout or Other Sealing Material  4ethod halliburton  Kind of Sealing Material  (ft.)  (ft.)  Coment  Yes XX No If no, explain  Still in USE  Neat cement  Signature of Point Driver on Registered Driller, Date Signed  Signature of Drill Rig Operator  Date Signed							Pumping Lavel IL Delow surface 1	_	□ No
Kind of Seeling Material   From   To   Sacks   13. Did you permanently seal all unused, noncomplying, or unsefe wells?   Kind of Seeling Material   (ft.)   (ft.)   Coment   Yes   X3 No   If no, explain   SUIT I II USE		Great	or Other Seeling	Material			Lambrag at O.w. for nous		
Neat cement   Signature of Point Driver on Registered Driller   Date Signed		L-11/L	rton		To	Sacks	13. Did you permanently seal all unused, noncomplying, or u	neele wel	le?_
Neat cement 276 84 Signature of Drill Rig Operator Date Signed	<b>fethod</b>		terial					In u	5 <b>6</b>
Neat cement    Signature of Drill Rig Operator   Date Signed		Kind of Seeling Ma			1		14. Signature of Point Driver on Registered Driller De	ate Signer	
Signature of Drill Rig Operator Dete Signed		Kind of Sealing Ma	-		Į				
	1		-	surface	276	84	This part 12 inplat	1:	
es additional comments on reverse side about geology, etc.  WELL CONSTRUCTION REPORT	1			surface	276	84	Signature of Drill Rig Operator Do	ete Signer	

VISCORS IN	setrægen Repor GNIGDE WELL wher	NUMBER	D of	4 12		wit of Nation   Town Water Supplie   1 Bus 7921 adison, WI 55707	4	17		
County of Well Leaveson		Water Water		53578	I Leastin Plan  IX Town City of Prairie  Orid or Street Address of  Heavy 78	du Sac	Tem	(edds)		
Address	WELLS THE Lake Road State	Engistration /	2. slark in car	vell location rect 40-acre of section.	Subdivision Name	New Reconstructi	14 of X E	w		
Well serves # of h  (ex: barn, restaurant, chn  Well Docated on Highest  Well Located in Floodpla  Distance In Feet From V  1. Landfill  10. 2. Building Over	rch, school, industry, etc. Point of Property, Consisin?  Yes:  No Vell To Neurest:	stent with the Ge 160 9. Down 10. Privy 11. Foun	peral La papout/Y	ard Hydrant rain to Cleare	Drilled Driven oundings? 20 Yes 17. \ 18. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19. \ 19.	Point D Jetted D No H as Wastewater S. Paved Chilina Bara Animal Yard or Sh	Other	ck stde.		
10 2. Building Overhang   12. Foundation Drain to Sewer   20. 900 - Type										
Drillhole Dimensions From To	Method of constructing drillhole only.	upper enlarged	DATE DATE	9. Type, Car	Geology ving/Noncaving, Color, 1	Hardness, Etc.	Prom (ft.)	To (ft.)		
From To	drillhole only.  EK1. Rotary — Mud C  1. Rotary — Air  3. Rotary — Foum	_	DAME CHECK-T	Typa, Car Lin	ving Noncaving, Color, lestone w/ sh		335	(ft.) 49!		
From To (ft.) surface 6 335 515	drillhole only.  E.K1. Rotary — Mud C.  2. Rotary — Air  3. Rotary — Foum  4. Reverse Rotary  5. Cable-tool Bit  6. Temp. Outer Cas	Circulation	2005 2007 2007 2007 2007 2007 2007 2007	Type, Car Lin San	ving Noncaving, Color,	ale layers	335	(ft.)		
From To (ft.) (ft.)  surface	drillhole only.    X1. Rotary — Mud C   2. Rotary — Air   3. Rotary — Foum   4. Reverse Rotary   5. Cable-tool Bit   6. Temp. Outer Cas   Removed?   If no, explain	inculation in dia dia dia yes  No	2005 2007 2007 2007 2007 2007 2007 2007	Type, Car Lin San San	ving Noncaving, Color, incestone w/ sha	ale layers	335 495	49! 520		
Fram   To   (ft.)	drillhole only.  E.K1. Rotary — Mud C.  2. Rotary — Air  3. Rotary — Foum  4. Reverse Rotary  5. Cable-tool Bit  6. Temp. Outer Cas  Removed?  If no, explain  7. Other  Lizer, Screen	in dia dia Yes No		Lim San San	ving Noncaving, Color, lestone w/ shadstone adstone chang	ale layers	335 495	49! 520		
From To (ft.)  surface  6 335 515  5 515 534  Casing Material, W. Mig. & Me	drillhole only.  EX1. Rotary — Mud C  2. Rotary — Air  3. Rotary — Foum  4. Reverse Rotary  5. Cable-tool Bit  6. Temp. Outer Cas  Removed?  If no, explain  7. Other  Laser, Screen eight, Specification thool of Assembly	in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  in		Lim San San	ving Noncaving, Color, pestone w/ shadstone adstone chang quartzite	ale layers	335 495 520	49! 520 532		
From To (ft.)  surface  6 335 515  5 515 534  Casing Material, W Mfg. 4 Me  5'' Std. 8tg	drillhole only.  EK1. Rotary — Mud C  2. Rotary — Air  3. Rotary — Foum  4. Reverse Rotary  5. Cable-tool Bit  6. Temp. Outer Cas  Removed?  If no, explain  7. Other  Liner, Screen  eight, Specification	in dia in dia Yes No	House the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second	Lim San San	ving Noncaving, Color, pestone w/ shadstone adstone chang quartzite	ale layers	335 495 520	49! 520 532		
From To (ft.)  surface  6 335 515  5 515 534  Casing Material, W Mfg. 4 Me  5'' Std. 8tg	drillhole only.  EX1. Rotary — Mud C  2. Rotary — Air  3. Rotary — Foum  4. Reverse Rotary  5. Cable-tool Bit —  6. Temp. Outer Cas  Removed? —  If no, explain —  7. Other  Liner, Screen eight, Specification thod of Assembly	in dia.  dag is dia.  Yes No  Prom To (ft.) (ft.)	10. S	Type, Car Lim San San Qua	ving Noncaving, Color, pestone w/ shadstone adstone chang quartzite	ing to	335 495 520 532 Above	520 532 534 Grade		
Prom   To   (ft.)	drillhole only.  EX1. Rotary — Mud C  2. Rotary — Air  3. Rotary — Foum  4. Reverse Rotary  5. Cable-tool Bit —  6. Temp. Outer Cas Removed? —  If no, explain —  7. Other —  Liner, Screen eight, Specification thod of Assembly  e1 PR new  2.258 — 11	in dia.  dia dia.  dia dia.  dia dia.  Yes No  Prom To  (ft.) (ft.)  surface  255 5:	10. S	Type, Car  Lim  San  San  Qua  Qua  tatic Water L  3'ft. above  amp Test  ping Lavel 5	ving Noncaving, Color, in the stone w/ should stone change quartzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite a	ing to	495 520 532 Above Balow Yee [	520 532 534		
From To	drillhole only.  EX1. Rotary — Mud C  2. Rotary — Air  3. Rotary — Foum  4. Reverse Rotary  5. Cable-tool Bit —  16. Temp. Outer Cas Removed?  17. Other  Liner, Screen eight, Specification thod of Assembly  e1 FR new  2.256 — 11	ia dia. ing is dia. yes No  From To (ft.) (ft.)  From To Sacks	10. S Pum Pam	Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Carrypa, Car	ving Noncaving, Color, in the stone w/ should stone chang quartzite artzite artzite  Tround surface GPM for 2 hours mently seal all unused, noncapital seal all unused, noncapital seal all unused, noncapital seal all unused, noncapital seal all unused, noncapital seal all unused, noncapital seal all unused, noncapital seal all unused, noncapital seal all unused, noncapital seal all unused, noncapital seal all unused, noncapital seal all unused, noncapital seal all unused, noncapital seal all unused, noncapital seal all unused, noncapital seal all unused, noncapital seal all unused, noncapital seal all unused, noncapital seal all unused, noncapital seal all unused, noncapital seal all unused, noncapital seal all unused, noncapital seal all unused, noncapital seal all unused, noncapital seal all unused, noncapital seal all unused, noncapital seal all unused, noncapital seal all unused, noncapital seal all unused, noncapital seal all unused, noncapital seal all unused, noncapital seal all unused, noncapital seal seal seal seal seal seal seal se	ing to  12. Well Is:  10 in. Developed? Expression of the complying, or the complying, or the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of	Above Below Yee Yee  Table 1	49!   520   532   534   Grade   No   No   No   No   17		
From To (ft.)  surface  6 335 515  5 515 534  Casing Material, W Mfg. & Me  5'' Std. stg  14.62 1b  Sawhill  a. (in.) screen type and n	drillhole only.  EX1. Rotary — Mud C  2. Rotary — Air  3. Rotary — Foum  4. Reverse Rotary  5. Cable-tool Bit —  6. Temp. Outer Cas  Removed? —  If no, explain —  7. Other —  Laner, Screen eight, Specification thool of Assembly  e1 F2 new  c. 250 — 11	in dia.  in dia.  in dia.  in dia.  in dia.  in dia.  Yes No  From To  From To	II. P Pum Pum Pum III. E	Type, Car  Lim  San  San  Qua  Qua  Qua  tatle Water L  ft. above    amp Test  sping Level 5  sping at 150  di you perman  you   N	ving Noncaving, Color, in the stone w/ should stone chang quartzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite artzite ar	ing to  12. Well Is:  10 in.  Developed?  Capped?  Capped?  Capped?  Disinfected?  Capped?  Capped?  Developed?  Capped?  Capped?  Capped?  Capped?	Above Below Yee Yee  Table 1	49!   520   532   534		

WELL OWNER

WELL CONSTRUCTION REPORT Form 3300-77A Rev. 9-88

#### WELL CONSTRUCTION REPORT

# WISCONSIN STATE BOARD OF HEALTH WELL CONSTRUCTION DIVISION

DEC 18 1944

48

mer Wis Power &	Light Co	Driller Geo Reynolds						
eet or RFD		Post Office	Portage					
st Office Prarie Du	u Sac	Date 12/16	5/44Permit No5					
	LOCATION O	F PREMISES						
Sauk County	Prarie D	u Sac Town	The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.  NW, SW, SE SC. 25					
At the Describe further by	subdivision, plat, district, lake, lot.		Sec. No. 3-4 Twp. North 12					
	pal highway, etc., whichever apply.		Range $\mathcal{L} = \left\{ \begin{array}{l} \mathbf{E} \\ \mathbf{W} \end{array} \right.$					
	DIAGRAM O							
See Well Construction Repor Be sure to indicate NORTH.	t bulletin. In making the diagram in th	he space below conside	er 10 ft. as the distance between lines.					
7			<b>X</b>					
•	1							
		7-1	HOUSE POWER					
		WEIL O	ShED POWER DA					
		7-1	ShED					
		WEILO	ShED					
	71	WEILO	ShED					
		WEILO	ShED					
	0. /3.	WEILO	ShED					
· · · · · · · · · · · · · · · · · · ·	070	WEILO	ShED					
	17. 13.	WEILO	ShED POWER DI					
	070	WEILO	ShED POWER DI					

Additional copies of this form may be obtained in lots of 12 for 25c. Send remittance with order to State Board of Health, Well Construction Division, Madison, Wis.

### WELL LOG and REPORT

For method of making report, refer to bulletin entitled "Well Construction Report," 7-5-39. Accuracy is essential. WELL DIAGRAM in this column indicate the kind In this column state the kind of formations penetrated, their thickness in Use a red line to show casing or liner pipe. Use black for drill or borehole. casing, liner, shoe and other accessories used. FINAL Pumping test feet and if water bearing. Inches Diameter Depth 2 3 4 5 6 8 10121416 O to 16 ft top soil Cased to 118 foot Duration of test Hours 4 with 6 inch Std water at 16 foot Casing with Forged 16 to 30 ft Sand & graveImping rate 25 G.P.M. 15 Steel Drive Shoe 30 ° 80 " River Sand Depth of pump in well. Ft. 30 95 " Clay and streaks of sand 50 Standing water-level (from surface) 95 " 110 Sand and rt. 16 some Gravel 110 " 113 Red Clay Water-level when 75 pumping Ft. 16 113 " 118 Gravel Water. End of test. Clear Clear 100 Cloudy Was the well sterilised? Yes Yes No 150 To which laboratory was sample Madison 200 Date 11/7/44 Was the well sealed on completion? Yes Yes No. 400 How high did you leave the casing-pipe above grade? 8 inches in Pit. 800 Well was completed Date 9/30/44 17 1200 Well Constructor Draw the diagram to show the full diameter and right section of Geo Reynolds

# WELL CONSTRUCTION REPORT WISCONSIN STATE BOARD OF HEALTH WELL CONSTRUCTION DIVISION

DEC 18 1944

49

by the Board. Owner Darwin	John Ferr	y Driller Geo Reynolds
Street or RFD R.F		
Post Office Prai		
ost Omce	<del>1.1</del> 77575	
		LOCATION OF PREMISES  The square below represents a section of land
Sauk County		Prairie Du Sac divided into 40 acre tracts. Mark the position of the premises in the section.
Describe furthe	er by subdivision,	plat, district, lake, lot. Sec. No. 25
	-	Two North 10 k
		, etc., whichever apply.
• • • • • • • • • • • • • • • • • • • •		
		DIAGRAM OF PREMISES
See Well Construction I Be sure to indicate NOI	Report bulletin. I	n making the diagram in the space below consider 10 ft. as the distance between lines.
Ŋ		
<b>↑</b>		• · · · · · · · · · · · · · · · · · · ·
		DJOILET
•		
		DWF12.
		OWELL 3
		<u> </u>
		ROAP. To. DAM.
	- 1	
		. <del>                                     </del>
<u> </u>		

## WELL LOG and REPORT

For method of making report, refer to bullctin entitled "Well Construction Report," 7-5-39. Accuracy is essential.

			report, recurrey is essential.	
in this column indicate the kind of casing, liner, shoe and other accessories used.	WELL DIAGRAM Use a red line to show or liner pipe. Use black for or borchole.	casing or drill	In this column state the kind of formations penetrated, their thickness in feet and if water bearing.	Record of FINAL Pumping test
	Inches Diameter	Depth		
Cased to 178 foot	2 3 4 5 6 8 10121416		0 to 25 ft Top Soil	Duration of test Rours 2
with 6 inch Std			25 " 60 " Sand Gravel	
Casing with Forged		25	and some Bolder:	Pumping rate G.P.M. 6
Drive Shoe			60 " 110 River Sand	Depth of pump in
			110 "140 Blue Clay	well. Ft. 100
	Ė	50	140 " 165 Sand	Standing many law to
			165 " 175 Sand & some	Standing water-level (from surface)  Ft. 80
			Gravel	
		75	175 " 178 Gravel	Water-level when 84 pumping Ft.
		100	Water at 80 ft	Water. End of test. Clear Clear Cloudy Turbid
		150		Was the well sterilised? YesYesNo
· · · · · · · · · · · · · · · · · · ·		200		To which laboratory was sample sent?  Madison  Date 10/16/44
		400		Was the well sealed on completion? Yes Yes No.
		800		How high did you leave the casing-pipe above grade?  8 inches
				Well was completed  Date 10/12/44
	Draw the diagram to show	1200		Well Constructor

# WELL CONSTRUCTION REPORT WISCONSIN STATE BOARD OF HEALTH WELL CONSTRUCTION DIVISION

JUL 20 1942

Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after com tion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form proviby the Board. Owner George.Worth Driller Geo.Reynolds Post Office Portage Wis Street or RFD R.F.D. Date 6/29/42 Permit No. 38 Post Office Prarie Du Sac Wis LOCATION OF PREMISES The square below represents a section of land divided into 40 acre tracts. Mark the position Sauk Prarie du Sac of the premises in the section. Sec. No. 25 Describe further by subdivision, plat, district, lake, lot. block, nearest principal highway, etc., whichever apply. Range_6_ DIAGRAM OF PREMISES See Well Construction Report bulletin. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH. HIGHWAY Toilet

# WELL LOG and REPORT

For method of making report, refer to bulletin entitled "Well Construction Report," 7-5-39

n this column indicate the kind ! casing, liner, shoe and other accessories used.	WELL DIAGRAM Use a red line to show casing or liner pipe. Use black for drill or borehole.	In this column state the kind of formations penetrated, their thickness in feet and if water bearing.	Record of FINAL Pumping test
Cased with 6 incl	Inches Dismeter 2 3 4 5 6 8 10 12 14 16 18 Dep	0 to 26 ft Sand and	Duration of test
Std Water Well		Clay Mixed	Hours 2
Spec to 88 ft	25	Water at 26 ft 80 ft 26 to Sand and a	Pumping rate G.P.M. 10
		little Gravel	Depth of pump in well. Ft. 6Q
	50	80 to 86 ft Quite	
		Gravelry	Standing water-level (from surface)
		86 to 88 Gravel	Ft26
	75	_	Water-level when
6 inch Forged			pumping Ft. 26
Steel Drive Shoe		, .	Water. End of test.
	100		Clear Clear
			Turbid
	150	_	Was the well storilized? Yes.YesNo
			To which laboratory was samp! sent?
	200	-	Madison
			Was the well scaled on completion?  Yes Yes No.
	400	-	16.7.7.
			How high did you leave th casing-pipe above grade? 8 inches
	800		
			Well was completed Date 3A 3/42
	1200		W. D. G.
	Draw the diagram to show the right half only		Well Constructor Geo Reynolds Signature

#### State of Wisconsin Department of Natural Resources Box 7921 Madison, Wisconsin 53707

NOTE:

White Copy Green Copy Yellow Copy - Division's Copy Owner's Copy

WELL CONSTRUCTOR'S REPORTED TO STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND THE STAND

UNTY SACRE	CHECK (V) ONE:	Name .
NW14 1 & Section Section	Town Vill Township Range	3. NAME OWNER AGENT AT TIME OF DRILLING CHECK (1) ONE
LOCATION TO 51/ 17	10N 7E	Jeken Kassner
OR - Grid by Street No. Street No.	me	ADDRESS (
AND - If available subdivision name,	lot & block No.	POST OFFICE
Lats 30 Sum	me Oal Cours	Malison Win 53708
4. Distance in feet from well Building		Bldg. Sewer Floor Drain Storm Bldg. Drain Storm Bldg. Sewer
to nearest: (Record answer in appropriate block)	Silvort Sther	Other C.I. Sewer Other Sewer C.I. Other C.I. Other
	on Drain Connected to Sewage Su	Tank Tank
San. Storm C.I. Other Sewer	Sump	Seepage Pit Seepage Bed
Privy Pet Pit: Nonconforming Exis	Sump	Sepage Trench  Sarn   Animal   Animal   Silo   Glass Lined   Silo   Earthen Silage
Waste Pit Well		utter Barn Yard With Pit Storage w/o Storage Trench Or Pen Facility Pit
Pump Tank		
Temporary Watertight Solid Man Manure Liquid Manure Storage	Gasoline or Disposal Unit	Other (Give Description)
Stack Tank Structure	Oil Tank (Specify Type)	
. Well is intended to supply water for:	11	9. FORMATIONS
	Tome	Kind From (ft.) To (ft.)
6. DRILLHOLE Dia. (in.) From (tt.)   To (ft.)   Dia. (i	n.)   From (ft.)   To (ft.)	Surface 3
	110111 (11.)	1 1 Surface
O Surface		Sand a Bravel 3 13
20 180		8/0 95 170
ASING, LINER, CURBING AND SCI	REEN	2 / 2
ASING, LINER, CURBING AND SCI Material, Weight, Specification Dia. (in.) & Method of Assembly	From (ft.)   To (ft.)	Grandes Sand 170 180
6 new Stand Blb	Straufiace 177	
24 C 1945 De	4	
ASTMA53 Su	interior metal It	
3 St Johnson St	Les Stel Sore	
7001 1001	147 H	10. TYPE OF DRILLING MACHINE USED
Istalled 15 Shot	1// /80/	Rotary-hammer  w/drilling  mud & air  Jetting with
8. GROUT OR OTHER SEALING MATE Kind	From (ft.) To (fc.)	Rotary-air Rotary-hammer Air
D-080. 11.	Surface 20	
the wings		Well construction completed on Qua 25 1977
11. MISCELLANEOUS DATA	BO CPM	above final grade
Yield Test:	Hrs. at GPM	Well is terminated inches below
Depth from surface to normal wat	er level <u>70</u> Ft.	Well disinfected upon completion 😕 Yes 🗆 No
Depth of water level when pumping	Ft. Stabilized Yes N	Well sealed watertight upon completion 🔀 Yes 🗆 No
Water sample sent to	Madison	laboratory on Qua 2.5 1977
ur opinion concerning other pollution ishing the well, amount of cement used	hazards, information concerning dif I in grouting, blasting, etc., should b	ficulties encountered, and data relating to nearby wells, screens, seals, method of e given on reverse side.
Signature A 1 1	1	Complete Mail Address
In The	Desistant Well Dellies	but the the the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the st

State of Wisconsin
Department of Natural Resources
Box 450 Madison, Wisconsin 53701

NOTE:

OCT 2 0 FELL CONSTRUCTOR'S REPORT
Form 3300-15
Rev. 10-75

White Copy
Green Copy
Yellow Copy

- Division's Copy
Driller's Copy
- Owner's Copy

ı. cot	'NTY	SAG	ik		CHFCK (V		Village		City	Name M	TRR	imac	
2. LOC	ATION	1 % S	school 4	Section 7	Township TION	Range	3. 1	NAME		AGENT A	T TIME Q	F DRILLING	CHECK (A ON
OR			treet No.	Street Name			_	ADDRES		10 2		7/E/S	
				ion name, lot	& block No.			POST OF	FICE			, j	1068
										Drain	120	C. 6	1068
	ance in f earest:	eet Iro Red		Building Sa	C.I. O	ther C.1	ary Bidg	Other	Connec	ted To:	Storm B	ldg. Drain	Storm Bidg, S
ansv	ver in ap			65	C.I. 0	C.i	,	Other	C.I. Sewer	Other Sewe	C.I.	Other	C.J. Othe
Street	Sewer	Oth	er Sewers	Foundation	Drain Connecte	d to Sewage	Sump	Cleary	vater   Septic	Holding S	ewage Abso	retion Unit	·
San.	Storm	C.I.	Other	Sewer	Sewage Sump	C.I.	Other	Sum	p Tank	T TANK	eepage Pit		
				Clearwater Dr.	Clearwater	<del>;                                    </del>			40		eepage Bed eepage Trer		0
Privy	Pet	Pit: N	lonconfor	ming Existing		umproom			Animal Sil	o Glass I	ined   Silo	Eastber Ci	ilage
	Waste Pit	Well			Nonconform	ing Existing	Gutte	Pen	Yard Wi	th Pit: Stora		Storage Tr	rench Or
1		Pump	<del>'  </del>		į		ļ			. see	•	:	
Tempo		Watert		Solid Manure	Subsurface	Waste Pond o	r Land	Other (	Give Descript	ion)			
Manure Stack	!	Tank	Manure	Storage Structur <b>e</b>	Gasoline or Oil Tank	Oisposal Unit (Specify Typ		:		1			
	i				1			i		/			
5. Well	is inten	ded to	supply wa	ter for:	ME		9.	FORMA	TIONS				
					777 16				Kin	<u>d</u>		From (ft.)	To (ft.)
6. DR							Ì			124		:	
Dia. (i	n.) Fro	m (tt.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)			1 0	74		Surface	20
10	Y   Su	ırface	20	6"	20'	196		مجر	5,	7ND		20	120%
····		<u>-</u>				i		1		NU & G	לינובר	150	190
7. CAS	ING, LI	NER.	CURBING	AND SCREE	N	<u> </u>	<del>-   ,</del>	<b>/</b>					-
Dia. (i			Weight, Sp thod of As		From (ft.)	To (ft.)	200		UF	7171156	•	190	196
6"	1	IZ W	134	STRUC	Surface	196	3						
<u> </u>	7			LBS. PER		7							
	<del>-   - '</del>	<u>`</u>			<u> </u>	1			<del></del>				
	1.7		15/1	1133		<del>  [</del>						<del> </del>	
	TH	REA	DIED Y	17-53 Coupling			_1_						!
						1	10	. TYPE (	OF DRILLIN				· · · · · · · · · · · · · · · · · · ·
						1	_	<b>M</b> _	ble Tool	w/dr	ry-hammer illing	—	tottime mise
8. <b>GR</b> (	OUT OR			NG MATERIA	1	1 =				j	& air		Jetting with
		<u>K</u>	ind		From (ft.)	To (ft.)			otary-air drilling mud	☐ E 3"	ry-hammer		Water
	1/2		1	a u	Surface	20'	- 1	□ RG	otary-w/drillin	19 Bevi	erse Rotary		
	<u> </u>		Luki	7-	Surace	70					10/13		. 77
11.	MISCE	IJAN	EOUS D	ATA	L		- We	U constru	ction comple	ted on/	V / /	above	19 <i>ZZ</i>
	Yield T		2	4	Hrs. at	2 GF	PM We	ll is termi	inated	<u> 2incl</u>		below	nal grade
	Depth f	rom su	rface to no	ormal water lev	vel	60 FI	. We	II disinfec	ted upon con	pletion	ot	Yes 🔲 No	•
	Depth o	f wate	~	8 Ft.	Stabilized	Ø Yes □	No We	li sealed w	vatertight upo	n completio	n 20	Yes 🗆 No	0
	Water s	<u></u>		MADI		······································				itory on/	,	8	197:
Your	noinion	concer	ning other	pollution haza		on concerning	difficult	ies encou	ntered, and d	ata relating t	o nearby w	ells, screens, s	eals, method of
Signaty		eu, an	)	1	harma' negu	-9, 010., 21041			ail Address			<del></del>	
	,	,	1 -	// //				مرسر د	<b>^</b> .	co 1	,	// /	

# State of Wisconsin Department of Natural Resources Private Water Supply Box 7921 Madison, Wisconsin 53707

#### NOTE:

White Copy
Green Copy
Yellow Copy
- Division's Copy
- Division's Copy
- Owner's Copy

WELL CONSTRUCTOR'S REPORT Form 3300-15 Rev. 5-8 Rev. 5-8 53

SEP 2 9 1986

	JNTY	1		CHECK (V	) ONE:			Name				•
		auk		Town		lage	City	$\mathcal{M}$	un.	nac.		
		Section of C		Section To	ownship Range	3. NAME	OWN	ER AGEN	T AT TIME O	FDRILLIN	CHEC	K (J ONE
	CATION	NU	<del></del>	17 4	BV 78	7/10	MIL	. The	umbe	M/Z	be	me
OR	- Grid	or Street No.	Street or Ro	oad Name	FION	ADDRE	iss Ida Pl	hiloi	(DO)	(A	u	es )
ANI	D — If ava	ilable subdivis	sion name, lot	& block No.		POST (	OFFICE	1 til	JUL	ZIP COD	<u>E</u> 83	<del></del>
Dist	ance in feet	from well	Building S	anitary Bldg. D	rain Sanitary	Bidg. Sewer	Con	oor Drain	Storm B	ldg. Drain	Storr	n Blag. Sew
	earest:	Record	/1	C.I. 0	ther C.I.	Other	C.I. Sev	wer Other Se	wer C.I.	Other	C.I.	Other
bloc	k)	<u> </u>	Equiposition	Drain Connecte	d to: Sewage Su	mo Clea	rwater Ser	ntic   Holding	Sewage Abso	ration Halt	Adamira	Hoose
5an,		.l. Other	Sewer	Sewage Sump		her Sc	ımp Ta	nk Tank	Seepage Pit	A DETOIT CHILL	Retenti	ion or atic Tank
		1	Clearwater	Clearwater					Seepage Bed			
Privy	Pet Pi	t: Nonconfor	! Or. ming Existing		umproom	Barn Anim	al Animal	Silo Gia	Seepage Trei	Earthen S	ilage !E	arthen
i		ell		Nonconform	ing Existing	utter Barr Pen	Yard	With Pit Sto	orage cility Plt	Storage T Or Pit	rench N	Manure Basir
_		ump ;		+								_
	rary Manur	e Watertight Manure Ta	Liquid Mar	ure Subsurfa sure Gasoline			Manure Stor		Other (D	escribe)		
		Basin	Pipe			unel 🗀	Concrete Fig Concrete Fig					
Wall	l is intended	to supply wa	ter for:	·	1	9. FORM	Partial Conc	rete Walls	<del></del>			
J. WEI	i is ditended	i to supply wa	iter 101.	Hom o		J. PORM		Kind	<i>,</i>	From (ft.)	1	To (ft.)
DR	ILLHOLE			10110	<u> </u>	†		110.0	<del>-/</del>	1	:	10 (11.)
_ Dia. (i	in.) From	(tt.)  To (ft.	) Dia. (in.)	From (ft.)	To (ft.)	Sa	nd +	grai	vel.	Surface	(	31
- 0	,		ر ا		ī .	1		0 7				سرارر
8	Surfa	ice 140	2			Sa	na			31	- 1	145
	, //	45 150			<u>:</u>	50	nd.+	ma	HL	145		150
, CAS	SING, LINE	R, CURBING	AND SCREE	N	·		/	7				·
' <u>)ia. (i</u>		& Method of		From (ft.)	To (ft.)	<u> </u>		<u> </u>				
عا_	2	d bl	ack	Surface	145	#20	Slo	tst	rirle	احما		
	Jou	QL / •	280	†		stee	e se	برووير	inst	elled		
	1	44								1.15	-	150
	TID	lyti	rela	<del>}</del>		<del>                                     </del>				145	<b>'</b>	190
	rts	S, A-	53									
	Ψ		KHC		/	10. TYPI	OF DRIL	LING MACHI				
	0175 07 0			. \	<del>'</del>	┨ ┌ .	Cable Tool	~ w	otary-hammer //drilling nud & air		Jettin	g with
U. GR	OUTORO	I HER SEALI Kind	NG MATERIA	From (ft.)	To (ft.)	1 .		1	otary-hamme	,   -		Air
		Nuic		110111 (11.)	- /-	1	Rotary-air w/drilling m -	ه ل∟ا د ا	air			Water
m	udt	cut	tinos	Surface	145		Rotary∙w/dr mud	illing   R	everse Rotary			
	Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction o	in aman	, 0			Well const	ruction con	nnleted on		9/1=	3	1986
11.		ANEOUS D		1	1	Well collisi	action con	18	d	above	inal grad	
	Yield Test:	<u>ت</u>		Hrs. at	GPM	Well is ter	minated —	i	nches 🗀	below	mer gree	
	Depth from	n surface to ne	ormal water le	vel <u>40</u>	) Ft.	Well disinf	ected upon	completion	<u> </u>	Yes 🗆 N	ło	
	Depth of w		63 FL	Stabilized	Yes D No	Well sealed	watertight	upon comple	tion 🗱	Yes 🗆 N	io	
	Water sam	ple sent to _		ma	dier	<u> </u>	int	poratory on _		9/19	5_	<u>ما8وا</u>
uchi	opinion con	cerning other, amount of ce	pollution haz ment used in	ards, information	on concerning difing, etc., should b	ficulties ence e given on re	ountered, an verse side.	d data relatio	ig to nearby w	ells, screens,	seals, m	ethod of
Signati	ие /	,	01.			Business N	ame and Co	mplete Maili	ng Addr <b>SAM</b>	S ROTARY	DRILL	ERS
,	De 1	1/1.1.	TV:.0	Rogietoro	d Wall Deillar				INGWAR	ROUTE אינע עם		<b>ዺ</b> ፞፞፞ፘዾዾ

State of Wisconsin Department of Natural Resources Box 7921 Madison, Wisconsin 53707

#### NOTE:

WELL CONSTRUCTOR'S REPOR Form 3300-15 Rev. 12-1 White Copy Green Copy Yellow Copy Division's CopyDriller's CopyOwner's Copy

i. coi	.'NTY	.1	<b>,</b>	h			(A) ONE:	<b>¬</b>	<u></u>		me S	N		•		
	77	1 3 S	ection.	16	ection	Township	Range	_ Village		OWNER	AGENT			MILLING (	CHECK (V) ON	_
2. LO	ATTON	ĹŴ	1/4	WX	17	_	12			Lea	ege	Ste	Za.	£		
OR	– Gr	id or S	ireet N	0./ 5	treet Name	TION	<b>J</b>		ADDRESS	Rte		<i>n</i> :	_	<b>`</b>		
ANI	D - If	availab	le subd	ivision	name, lo	& block No.	70		POST OFF	ICE PLA	ul	city	1	ref	0 1	
100	mp	u	, va	14	ilding 1	Sanitary Bidg.	29	aitary Bi	tg. Sewer	Floor Di	rain	Sign	7.44	Drain	Storm Bidg. S	-
to n	ance in f	(Red	ord	Ä	/	<del></del>		2.1.		Connected C.I. Sewer O	d To:				C.I. Othe	BT .
DIOC				<u> </u>	$\mu$	30.PT	3	3 JF	Clearwat	er   Septic	- dolding	Sewage A	DSOCOL	ion Unit		_
San.	Storm	C.1,	Other		ewer	Drain/Connec	C.I.	ge S/ump Other	Sump		Tank "	Seepage F				_
				7	learwater Or.	Sump Clearwal Sump	er	İ		50 ft	- ;	Seepage 1		7.5	74	_
Privy	Pet Waste	Pit: 1	voncon		ng Existin		Pumproom	Bar	n Animal A	Animal Silo Yard With	Glas Pit Stor		w/o :	Earthen Sile Storage Tre		_
!	Pit	Well Pump	,		<del></del>	Nonconfor	ming Existing	9	Pen		Faci		Pit	Pit		
7		Tank				→ 	i Marea Bond	1 22 1 225	Other (C	ve Description	1					_
Tempo Manur Stack	e :	Wateri Liquid Tank	i Manui	re! Sto	rage ructure	Gasoline or Oil Tank	Disposal Ui (Specify T	nit	Other (G.	ve Description	,					
5. Wel	l is inten	ded to	supply	water	for:	Llan		9	. FORMAT	ONS Kind				From (ft.)	To (ft.)	<del></del>
6. DR	ILLHOL	.E					<u> </u>		01						10	<u> </u>
Dia. (	in.) Fro	m (tt.)	To	(ft.)	Dia. (in.)	From (ft.)	To (ft.	)	_COL	uf_	7		s	urface	10	_
10	Sı	ırface	2	Ĉ)					_\$_	Jaly/	l]	inel		10	50	
6	2	O	10	0	1:	į	į	ļ		Sand	7			50	90	
7. CA			CURBI Weight thod of		ND SCRE	EN   From (ft.)	! To (ft.		1	, 0		P		91	10	
6	7	. /	ر بلا	10.	4.1/		a	-		unga -						<u> </u>
19.4	5 4	<u>11/20</u> 12.0	et et	- , è	M XILL	Surface		/		····			-		!	_
_#5	TM	k5.	3	Ser	mito	of thete	Y			.0 0			<del>.</del>			_
-3	At			بها	<u> </u>	Tainl	end Sc	rech	15	Slot				<del></del>	_	<del>-</del> .
_9	1	Len	llu	10	it	97	100	1 LA					$\perp$			
Ū	}			•	•	11			0. TYPE OF	DRILLING	, Re	otary-ham		1		
8. GR	OUT OF	отн	ER SEA	LINC	MATER	AL /			Cab!	e Tool	C #	/drilling iud & air			Jetting with	
			ind			From (ft.)	To (ft	)	☐ Rote	ry-air rilling mud		otary-ham air	mer	Ì	☐ Air	
$\mathcal{L}$	$\sum_{i} C_i$	I D	10	-	Time	Surface	20	>		ary-w/drilling	□ R	everse Ro	tary		Water	
		4		24	any	7		1			<u>'</u>					_
						<u> </u>			Well construc	tion complete	d on	My	11	2 /	19 🛴	<b>2</b> .
11.	MISCE		NEOU	S DA	TA	,	25_				,, .		<b>区</b> 。	III	al grade	
	Yield I	est: _			<del></del> _	11124		GPM '	Vell is termin	ated	<u> </u>	nches		elow		
				o nom	nal water l	level	50	Ft.	Vell disinfecte	d upon comp	letion		M A	es No	<del></del>	_
	Depth o	of wate pumpi		5	Ft.	Stabilized	Yes	□ No \	Vell sealed wa	tertight upon	comple	tion	<u>风</u>	es 🗆 No	<u></u>	_
	Water s						M	z Sli	son	laborate		Ay	1	28	19_ <u></u>	
Your finish	opinion	concer /ell, an	ning ot	her po	llution ha	zards, informa n grouting, bla	tion concerni sting, etc., sho	ng diffic ould be g	ulties encountiven on revers	tered, and dat se side.	la relatin	g to nearb	y well	s, screens, s	eals, method o	"
Signat		7	······		. 1	1			Complete Ma				<u> </u>			_

To 1/2 mic Tholsekkegistered Well Driller 245 Vack and Grainic Du Ac

#### State of Wisconsin Department of Natural Resources Private Water Supply Box 7921 Madison, Wisconsin 53707

#### NOTE:

WELL CONSTRUCTOR'S REPORT 55 Form 390N 2 9 1987

White Copy Green Copy Yellow Copy

Division's Copy Driller's Copy Owner's Copy

DUNTY CHECK (7) ONE Name HUK RKIMHC **☑** Town ☐ Village City 14 Section or Go Ø OWNER □ AGENT AT TIME OF DRILLING CHECK (A ONE 3. NAME NE, NEY : 10N Jelti LOCATION Grid or Street No. Street or Road Name ADDRESS INSPERIALION 75 3041 POST OFFICE If available subdivision name, lot & block No. ZIP CODE TITIZZIMU Floor Drain Connected To: 4. Distance in feet from well Sanitary Bldg. Drain Building Sanitary Bldg. Sewer Storm Bldg, Drain Storm Bldg, Sewer to nearest: (Record Other C.I. Other Other Sewer C.I. answer in appropriate block) Other Sewers | Foundation Drain Connected to: Sewage Sump Street Sewer Clearwater Sump Septic Holding Sewage Absorption Unit Manure Hopper or Retention or Pnuematic Tank Sewage Sump CJ. Other San. Storm C.I. Other 100 Clearwater Dr. Clearwater Seepage Bed Sump Seepage Trench Privy Pet Waste Pit Animal Barn Pen Animal Silo Glass Lined Yard With Pit, Storage Facility Silo w/o Pit Earthen Silage Earthen Storage Trench Manure Basin Or Pit Pit: Nonconforming Existing Barn Gutter Subsurface Pumproom Well Nonconforming Existing Pump Tank Watertight Liquid Manure Tank or Temporary Manure Stack or Platform Manure Pressure Pipe Subsurface Gasoline or Oil Tank Waste Pond or Land Disposal Unit Manure Storage Basin Other (Describe) Concrete Floor Only Basin (Specify Type) Concrete Floor and Partial Concrete Walls 5. Well is intended to supply water for: 9. FORMATIONS Tomic From (ft.) Kind To (ft.) DRILLHOLE Dia. (in.) From (tt.) | To (ft.) | Dia. (in.) From (ft.) To (ft.) Surface 04 Surface SING, LINER, CURBING AND SCREEN Material, Weight, Specification (in.) Mfg. & Method of Assembly (in.) From (ft.) To (ft.) 10. TYPE OF DRILLING MACHINE USED Rotary-hammer w/drilling mud & air 3. GROUT OR OTHER SEALING MATERIAL Cable Tool ☐ Jetting with Rotary-hammer & air Air Kind From (ft.) To (ft.) Water Rotary-w/drilling 🔲 Reverse Rotary Surface Well construction completed on MISCELLANEOUS DATA above final grade **GPM** Well is terminated inches below **Yield Test:** Hrs. Yes 🗆 No Ft. Well disinfected upon completion Depth from surface to normal water level Depth of water level Yes No Well sealed watertight upon completion 🞾 Yes 🗀 No Stabilized when pumping UNIT 25 laboratory on Water sample sent to opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of ing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side. Business Name and Complete Mailing Address
Wickelfton WAITIZ SPEKUICA Registered Well Driller

10	Surface	20				Spal	Garel Con	Surface	40
6	20	175				Simil	7	40	15.
7. CASING	, LINER, CI	JRBING, A	ND SCREEN	J		1 0	100 n	4	1000
Dia. (in.)	K	ind and Weig	ht	From (ft.)	To (ft.)	Sanda	Kerrel	150	15'
6"	Reux	tay 1	Set the	¹ Surface	172				
19.4	15 1	ult	YIC			per per			
AST	1 A 5.	3 1	meter	Mit	2. 2/	ph. com			
41	A ) 1	house	Sta	Cen	Sone	a Dustal	led 15- Slot		
///	172	-/75	- St-		A PARA				
B. GROUT	OR OTHER	SEALING	MATERIAL	:	, <u>"</u>	10. TYPE OF DRIL	LING MACHINE USED		
	Kir	nd		From (ft.)	To (ft.)	Cable Tool	Direct Rotary	Rever	rse Rotary
Dri	ll C	Min	4,	Surface	20	Rotary - air w/drilling mud	Rotary — hamme with drilling mud & a	:-	ng with
		(		JAPA .		Well construction co	mpleted on . Ju	X 20	19 76
1. MISCE	LLANEOUS	DATA		The p		Well is terminated	inches	above	final gra
/ield test:		15_	Hrs. at	123	GPM_	well is terminated	/2 inches	below	
Depth from	surface to r	normal wate	r level	50	7 ft.	Well disinfected upon	completion	<b>S</b> Y	es 🗆 No
Pepth to wa	ater level wh	en pumping	<u></u>	50	ft	Well sealed watertigh	t upon completion	□ Ye	rs 🔲 o
Vater samp	le sent to				Ma	deson	laboratory on:	121	19 7
							ed, and data relating to n		

given on reverse side.

COMPLETE MAIL ADDRESS Plin Registered Well Driller Please do not write in space below

**DLIFORM TEST RESULT** GAS - 24 HRS.

GAS - 48 HRS.

CONFIRMED

REMARKS

#### NOTE:

Rev. 12-76

WELL CONSTRUCTOR'S P Form 3300-15 Re

FEB 1 2 1979

UNTY		CHECK (✓)	ONE:			Nap	ie			
Xa	ur	🔀 Town	v	T			resr	1-11-1	_ ر	
Section	Section	Township	Range	3. NA)	ie izio	OWNER	GENT AT T	IME OF D	RILLING CH	HECK (A) ONE
OR - Grid or Street	No/Street Name	ION	/	ADI	DRESS A	1 Cu	home	2->-	<b>-</b> μγ	
	, ,			240	א לד א	We all	:	م ریسته	Hood.	Plate V
AND / If available sub	division name, lot	& block No.	0	POS	T OFFICE	E	/ 2		0 1	- / \
Summer	s later	nes de	<i>027</i>	<u> </u>	<u> </u>	led	Self	vi,	Contr	retor
4. Distance in feet from wel	Building Sa	nitary Bidg. Dra		y Bldg. Se	<del></del>	Floor Dra Connected		torm Bldg.		torm Bldg. Sewe
to nearest: (Record answer in appropriate	1010	15 H OI	her C.1.	1.4-00	her   C.	Sewer Oth	ner Sewer	C.I.	Other   C	.l. Other
Street Sewer   Other Sev	vers  Foundation (	Orain Connected	to: Sewage's	ump (	Clearwater		olding   Sewag	e Absorpt	ion Unit	<del></del>
San. Storm C.I. Other		Sewage Sump	C.I. C	ther	Sump	Tank T	ank Seepa		74.4	
	Clearwater Dr.	Clearwater Sump				75,0		ge Bed ge Trench	100	<del></del>
Waste	nforming Existing	<del></del>			nimal An Barn Ya	imal Silo ard With P	Glass Line	w/o	Earthen Silag Storage Trend	e th Or
Pit Well Pump		Nonconformi	ng Existing		Pen		it Storage Facility	Pit	Pit	
Tank Temporary Watertight	Solid Manure	Subsurface   V	Vaste Pond or I	204 0	ther /Give	Description)				<u>-</u>
Manure Liquid Manu Stack Tank	storage Structure	Gasoline or	Disposal Unit (Specify Type)		mer (GIVE	Description				
	1		,-,,	į					,.•	
. Well is intended to supply	y water for:	11	· · · · · · · · · · · · · · · · · · ·	9. FO	RMATIO	NS	··		-	<del></del>
. Day		Klame	<u>ب</u>	4		Kind	-17	F	rom (ft.)	To (ft.)
5. DRILLHOLE	(6) 1 pia (ia)	I r	T- (6)		00	7	$X_{\cdot}$ $I$			35
Dia. (in.) From (tt.) To	(ft.) Dia. (in.)	From (ft.)	To (ft.)	+	2	y t	Jane	-   S	urface	
Surface A	0			1	X	] ]] 3			25	120
	2/			1	0	7	() j	0		1
20 1	7/				<u> Sa</u>	ne +	Draw	el 1	20	173
ASING, LINER, CURB Material, Weight	ING AND SCREE	N			4	00	1	•	سر در ا	101
Dia. (in.) & Method o	Assembly	From (ft.)	To (ft.)			Trav	el		175	171
6" Men str.	OBIN Att	Surface	100	1		•		İ		İ
4- 1	7 0	y Surface	<del>-/-8-3</del>	╅~~						
9.45 Tw St	- Vac			i				ļ		
2/16	0	0+. 1	0							
3/11/11	men <	lacall	s sc	epen			<del> ,</del>		<del>-</del>	
Van It to	1-10-	1 100	191							
Installed	10211	100	///	10 7	WIE OF D	DILL DIC M	A CHINE HE	ED	<del></del>	<u> </u>
			ي مر	10. 1	TPE OF D	KILLING M	ACHINE US Rotary-h	ammer	i	
3. GROUT OR OTHER SE	ALING MATERIA	L		٦ ,	Cable T	ool	w/drilling mud & a	g ir	J•	tting with
Kind		From (ft.)	To (ft.)		Rotary	-air ng mud	Rotary-h	ammer		Air
10.001-	11 -		20		Rotary	-w/drilling	_	<b></b> .	[	Water
grillens	Monly	Surface	020		mud		Reverse	Rotary		
				Well a	nastructics	n completed	on //	LIA	16	19 75
11. MISCELLANEOU	S DATA	ر معر		1168 (1		. completed	<u> </u>	DO ab	ove	
Yield Test:	15	Hrs. at 32	<u>5</u> GPM	Well is	terminate	d	inches		final	grade
	/	/	<i>^</i>					ш <b>т</b>		
Depth from surface t	to normal water lev	rel <u>6</u>	<u> </u>	Well di	sinfected u	pon comple	tion	IX Y	es 🗀 No	<del></del>
Depth of water level	6D Ft.	Stabilized 5	Z Yes □ 1	Ja Wall sa	alad water	ticht upon o	ompletion	<b>⊠</b> Y	es 🗆 No	
when pumping	- VI-IJ- Fl.	Statistized V	4 163 W	TO THE ELL SE	eitu wälel	agiit apoil c	S. S.	~~ '		
Water sample sent to		Ma	deson			laborator	yon	ug.	<u> </u>	1978
opinion concerning of	ther pollution haza	rds, information	concerning d	fficulties	encountere	d, and data	relating to ne	earby wells	, screens, seal	s, method of
hing the well, amount of	of cement used in g	routing, blasting	g, etc., should	be given o	n reverse s	ide.				
Signature O	nl	00		Comp	lete Mutil	ddress		( )		Λ I
4 1/	4/2	Vechs.	Well Driller	24	5X,	11.11	u -	1/1	nie 1	Ju da.
-XC//1/1	0 ////	The Kekilleten	wen Driller			<u> </u>				

### State of Wisconsin Department of Natural Resources Box 7921 Madison, Wisconsin 53707

#### NOTE:

FEB 2 8 1777
WELL CONSTRUCTOR'S REPOR
Form 3506-15 Rev. 12- 58

Department of Natural Resources		ivision's Copy	Form 350	0.15 0-15	. TOK 5 KEP Rev.	
Box 7921 Madison, Wisconsin 53707		riller's Copy wner's Copy				50
CHECK (1)	ONE Village	☐ City	Name MER	BINAL	10	< \
Section Section Township	Range 3. NA		AGENT-AT-T	IME OF DE	LLING CHE	CK (A ONE
LOCATION SWYW WY 17 10N	72	Ed	Jakna		<u> </u>	
OR - Grid or Street No / Street Name	AI	DDRESS 39	Re- Lill	ior d	June	
AND - If available subdivision name, lot & block No.	PC	OST OFFICE	7	111	7 .	
. Distance in feet from well Building Sanitary Bidg. Dr.	ain   Sanıtary Bldg.	Sewer Floor	Drain 51	torm Bidg. C	Drain Stor	m Blag. Sewe
to nearest: (Record 3% / CI / Ott	her C.I.			C.1. C	ther C.I.	Other
Street Sewer   Other Sewers   Foundation Drain Connected	to: Sewage Samp	Clearwater   Sentic	L. I	0.0000000000000000000000000000000000000	1 1 1 1 1 1	<u> </u>
San Storm C. L. Cabon Communication (Sewage	C.I. Other		Tank Seepa		on Onit	
Clearwater Sump  Clearwater Clearwater  Dr. Sump		85		ge Bed ge Trench	HOA	
Privy   Pet   Pit: Nonconforming Existing   Subsurface Pu	ımproom Barn	Animal Animal S	o Glass Line	d Silo E	arthen Silage	
Pump Nonconformi	ng Existing Gutter	Barn Yard Wi	Facility	W/O S	torage Trench it	Or
Tank	Waste Pond or Land	Other (Give Descript	ion)	<del></del>		<del></del>
Aanure Liquid Manure Storage Gasoline or I tack Tank Structure Oil Tank	Disposal Unit (Specify Type)	·				
Well is intended to supply water for:	9. F	FORMATIONS Kin		) E.	om (ft.)	To (ft.)
DRILLHOLE		<b>A</b> 1	<u> </u>	11	om (1t.)	10 (11.)
Dia. (in.) From (tt.) To (ft.) Dia. (in.) From (ft.)	To (ft.)	Col 111		Su	rface	10_
10 Surface 20	,	land le	wil ail	Qui !	10	83
6 20 179	:	di da	- Elana	0	80	163
CASING, LINER, CURBING AND SCREEN Material, Weight, Specification		Po .	0	i	115	174
Dia. (in.) & Method of Assembly From (ft.)	To (ft.)	/Jlan	·			
6 Men Stand Sell Steelswise	1/65					<del></del>
9.45 Just Vil	1 200			- <del></del>		
STMA53 Sumtonol	hital			<del></del>		
3 St Johnson Stanless		5 Slot	·			
Installed 176	179 10.	TYPE OF DRILLIN	G MACHINE US Rotary-h	ammer	1 _	
GROUT OR OTHER SEALING MATERIAL	,	Cable Tool	mud & a	ńr	Jettl	ng with
Kind From (ft.)	To (ft.)	Rotary-air w/drilling mud	Rotary-h	nammer		Air Water
Sull Cullings Surface	20	Rotary-w/drilling	Reverse	70		
J \	Well	construction comple	eted on		24	19 79
11. MISCELLANEOUS DATA  Yield Test: Hrs. at —	30_ GPM Well	is terminated	D_ inches	⊠ abo	final gr	ide
Depth from surface to normal water level5		disinfected upon con	npletion	Yes	□ No	
Depth of water level 6 Ft. Stabilized	Yes No Well	sealed watertight up	on completion	₩ Yes	i 🗆 No	
			<del></del>			
Water sample sent to	adian.	labora	atory on YL	10 3	26	_ 19 <u> 7 9</u>

Registered Well Driller

NOTE
WHITE COPY - DIVISION'S COPY
GREEN COPY - DRILLER'S COPY
YELLOW COPY - OWNER'S COPY

STATE OF WISCO DEPARTMENT OF NATURA Box 450

._JOURCES

Madison, Wisconsin 53701

LOUNTY Jan L	CHECK ONE	NAME .	
-Sauk		Village City Kenturna	<u> </u>
R LOCATION - 14 Section V Section Tov	wnship Range	3. OWNER AT TIME OF DRILLING  Les ye Bulds this	b.
OR Grid or street no. Street name		ADDRESS	
) -1 f available subdivision name, lot & block no.		POST OFFICE	
Distance in feet from well to nearest:	UILDING SANITARY SEWER		WASTE WATER DRAIN
(Record answer in appropriate block)	15 pt 38/11	C. I. TILE SEWER CONNECTED INDEPENDENT	30H TILE
C. I.   TILE   SEPTIC TANK   PRIVY   S	SEEPAGE PIT ABSORPTION	FIELD BARN SILO ABANDONED WELL S	INK HOLE
754	100 BA		
THER POLLUTION SOURCES (Give description si	uch as dump, quarry, drainage	well, stream, pond, lake, etc.)	
Well is intended to supply water for:	lane		
DRILLHOLE		9. FORMATIONS	<del></del>
ia. (in.) From (ft.) To (ft.) Dia. (in.)	From (ft.) To (ft.)	Kind	From (ft.) To (ft.)
10 Surface 10		Caving Sand Grand Clay	Surface 35
6 10 100		Sand + Gravel	35 90
CASING, LINER, CURBING, AND SCREE	From (ft.) To (ft.)	General	90 100
6" Newstand Bek	Surface 97	·	
Steel 19 18 4 0+			
3/4/1.00	no le di	15 Slot-6"	
January Ster	97-100#	10 2004-6	
Installed from	+////		
GROUT OR OTHER SEALING MATERIA		10. TYPE OF DRILLING MACHINE USED	<del></del>
Kind	From (ft.) To (ft.)	Cable Tool Direct Rotary	Reverse Rotary
Hall Cutterin	Surface // O	Rotary – air Rotary – hammer	Jetting with
- Mill Custom			# // 1974
. MISCELLANEOUS DATA		Well construction completed on  Well is terminated / inches	above
.eld test: 25 Hrs. at	25 GPM		J below -
:pth from surface to normal water level	64 ft.	Well disinfected upon completion	Yes N
Depth to water level when pumping	72 ft.	Well sealed watertight upon completion	Yes   N
ater sample sent to	man	liston laboratory on:	t. 13 1974
roe of casing joints, method of finishing the v		g difficulties encountered, and data relating to he d in grouting, blasting, sub-surface pumprooms, a	
given on reverse side.  GNATURE		COMPLETE MAIL ADDRESS	
PN 9111	Registered Well Driller	745 Park Ove Fraise	Au Aus
Q VOLVE JA, DANCE NO	Please do not wri		

State of Wisconsin
Department of Natural Resources
Private Water Supply
Box 7921
Madison, Wisconsin 53707

NOTE:

White Copy
Green Copy
Yellow Copy

Owner's Copy
Owner's Copy

WELL CONSTRUCTOR'S RIFERENT 3300-15 RC-

60

1. CO	UNTY		10	h	_	THECK (4)	ONE				_	Name	e				
<del></del>		<u>2</u>   1/4	Section or	Gov't. Lpt		Ction To	wnshi	Vi D: Range	lage 3. N	AME	City OWN	<u> </u>	<i>ert</i> Gent a	AT TIME	OF D	RILLING CH	IECK (A ON 1
2. LO	CATIC	N. de	WK Y	<i>W'14</i>		17/	01	TE		2/	in	-	س با	felle	20		
OR	-	Grid or	Street No.	Street b	Road N	ame			^	DDRES	s Pl	$\supset$					
AN	<del>P</del> -	lf availa	ble subdivi	sion name,	lot & blo	ock No.			P	OST OF	FICE	·				ZIP CODE	
	un	me	s Oa	R.C.	ne	<b>v</b>			<u>.</u>	<del></del>	Y/2	er	in	ac		WX.	
	tance i rearest		om well	Building	Sanitar	ry Bldg. Dr	aii her	Sanitary	Bldg.	Other		oor Drai	ro: er Sewe				torm Bldg, Selve
	wer in	appropr			36	A		371			TI	7					
Stree San.	t Sewe		her Sewers			Connected Sewage		Seweg Si	ther	Cleary Sum				ewage A eepage P		Ret	nure Hopper or ention or ematic Tank
3 <b>4</b> 11,	Stor	n   C.I.	Other	Sewer Clearwa Dr.	er (	Sump Clearwater Sump				/	40	0/	S	eepage E	Bed 7	<u>s</u>	ematic rank
Privy	Pet Wast	Pit:	Nonconfo			bsurface Pu	mpro	om	Barn Gutter	Animal Barn	A nimal Yard	Silo With P	Glass I	Lined S	Silo	Earthen Silag	e Earthen th Manure Basin
	Pit	Wet:			→ Nº	nconformi	ng Exi	sting	3 01161	Pen	7 3.0		Facilit	ָּבָּילָ דְּיִבְּילָילָ דְּיִבְּילִילָּילָילָילָילָילָילָילָילָילָילָילְילָילְילִילְילִילְילִילְילִילְילִילְיל	w/o Pit	Or Pit	in wandre basin
Tempo	rary A	Tan	k   Watertigh	Liquid	Manure	Subsurfac	e lw	aste Pond	or La	nd/ M	nure Stor	rage Basi	<u> </u>	Other	(Desc	ribe)	<u> </u>
Stack	or Plat	form	Manure T. Basin	ank or	Pressure Pipe	Gasoline o Oil Tank	or Di	sposal Ur Specify T	nit	, Co	ncrete Fl	oor Only			(Desc	ribe)	
C 341-1						<u> </u>			10 /	Pa	rtial Conc	_	ls				
J. Wei	ii is unt	ended t	o supply wa	eter tor:	X	me	_		9.	FORMA		Kind			į F	From (ft.)	To (ft.)
6. DR	ILLH	LE							1/	0	1//	,	1	0/1			4/3
Dia. (	in.) F	rom (tt	.) To (ft	.) Dia. (i	n.) Fr	om (ft.)	To	(ft.)	<del> </del>	Dan	d Xu	are	KAC	Varj		urface	70
18		Surface	20				!			L	0	•		•		40	12
1		2 2	12	<u>-</u>			<u> </u>			~~	D	1	01	1	7	1 5 8	117
<u>6</u>	SING	INED	CURRING	S AND SCI	PEEN		<u>.                                    </u>	·	+-	_/	land	lar.	In	wel	/	20	1/3
Dia. (		Material Mg. &	CURBING Weight, S Method of	pecification Assembly		om (ft.)	! To	(ft.)			Sin	.01	Hora	1		195	235
6	"\	1	11 .	Qun A	1/			:			<del></del>	<del></del>					
	-14	PLUS	And !	Deli sa	Zef s	urface	12	16	+-						-		<del></del>
19.4	15/1	لعلا	Lt.	ZC.				į									•
1.	4	2 1	12.7	L. AS	THE	53		1									
var	ngi	٠٠٠	THE	10 773	///	$\frac{2}{}$	-	j	-			<del></del>					<del> </del>
	ļ					'		1									
						-			10.	TYPE	OF DRIL	LING,M				· <del>=</del> ····	
9 63			CED CEAS					<del>\</del>	4	ĎR ca	bie Tool		w/di	ry-hami rilling I & air	mer	.	itting with
o. GR	1001		IER SEAL! Kind	ING MAIE	ı	om (ft.)	To	(ft.)	1	R	otary-air /drilling m			ry-ham	mer		Air
.10	• /	1	11-			_		20	7	R	otary-w/d	- 1	_				Water
HA	ul	Cu	Mes	you	<u>s</u>	urface			╫	<u> </u>	<u> </u>		Rev	Hot	ary	<del></del>	<del></del>
						_			Wel	ll constru	ection con	npleted	on	ken	u	14_	1982
11.	MIS	CELLA	NEOUS I	PATA		- 2	_	•				10		_		ove final	grade
	_Yield	Test: -			— Hrs.	at Oct	-	GPM	Wel	<u>is term</u>	inated	10	<u>incl</u>	ies L	<u>be</u>	low	
	Dept	from :	purface to n	ormai wate	z level	4:	<u> </u>	_ Ft.	Wel	l disinfec	ted upon	complet	tion		Y S	es 🗆 No	
	•	h of war	ter level	55	Ft. St	bilized	Σ Y	# 🗆 N	io Wel	! sealed v	vatertight	upon co	mpletio	ر د	<b>2</b> Y	es 🗆 No	
		•	sent to		nac	lisa	<u> </u>					boratory		her	ر_ب	16	19_
Your	opinic	n conce well, a	sning other mount of c	pollution ement used	hazards, in grout	information ing, blastin	n conc ig, etc.	erning di , should l	fficulti be give	es encou n on rew	ntered, ar erse side.	nd data i	elating t	o nearby	y wells	, screens, seal	s, method of
Signat		$\sqrt{}$		-/	1	A		•	Bus	iness Na	me and Co	omplete	Mailing	Address			
ं	Ci	er	ر حدد	Hil	and the	Registere	i Well	Driller	12	45	Pac	K Ås	u f	Kear	ui	Alu X	Lec

APR 3 0 1975

+ ELL CONSTRUCTOR'S REPORT

WHITE COPY - DIVISION'S COPY
- GREEN COPY - DRILLER'S COPY
YELLOW COPY - OWNER'S COPY

STATE OF WISCONSI
DEPARTMENT OF NATURAL RESOURCES
Box 450
Modison, Wisconsin 53701

COUNTY	M Town ☐ Village	NAME 122	
2 LOCATION (Number and Street or 1/4 section, sec	tion, township and range. Ale	o give subdivision name, lot and block numbers who	n available.)
15 W 1/2 of No. 14	SEC 17 110	N RTE LOT 34 Summ	EX CAK COURS
NED PHIPS			
OWNER'S COMPLETE MAIL ADDRESS	r		
5. Distance in feet from well to nearest: 1	BUILDING ISANITARY SEW	ERIFLOOR DRAIN FOUNDATION DRAIN	WASTE WATER DRAIN
	35 C. I. TILE		
	SEEPAGE PIT   ABSORPTION	ON FIELD   BARN   SILO   ABANDONED WE	II LEINY HOLP
C. I. TILE 65	8.5	_	L SINK HOLE
C. LER POLLUTION SOURCES (Give description			
C.LER FOLLOTION SOURCES (Give description	such as dump, quarry, arang	age went, stream, pupit, mas, etc.)	
Well is intended to supply water for	Home		
7. DRILLHOLE		10. FORMATIONS	
ie. (in.) From (ft.) To (ft.) Die. (in.)	From (ft.) To (ft.)	Kind	From (ft.) To (ft.)
8" Surface 20' 4"	20 213	Clay	Surface 65
		SAND	65' 200
8. CASING, LINER, CURBING, AND SCREE		SAND ROCK	200 213
Pia. (in.) Kind and Weight	From (ft.) To (ft.) Surface 2 04	SHAU HOER	200 275
4" BACK STEEL	Surface 209		
1118 PER FT			
THREADED NEW		<i>:</i>	
-			
	<u> </u>		
S GROUT OR OTHER SEALING MATERIA	\L		
<del></del>	Surface 2		
Puppled CLAY	20		
		Well construction completed on 4//	17 19 75
1 MISCELLANEOUS DATA Y Id test: 48 Hrs.	at 10 GPM	Well is terminated /2 inches	
Depth from surface to normal water leve	1 55' ft.	Well disinfected upon completion	¥ Yes □ No
Lipth to water level when pumping	65' ft.	Well sealed watertight upon completion	n 💆 Yes 🗆 No
Water sample sent to MADISE		laboratory on: 4/	121 1973
Your opinion concerning other pollution		concerning difficulties encountered, and	data relating to nearb
wells, screens, seals, type of casing joi face pumprooms, access pits, etc., sho	ints, method of finish	ing the well, amount of cement used i	n grouting, blasting, sub
S. NATUREM OF WATE		COMPLETE MAIL ADDRESS	
Branch ) and	egistered Well Driller	RT2 Joli, Wice.	57555
- Jon Wingston		rite in space below	- 5555
COLIFORM TEST RESULT			MARKS

#### State of Wisconsin Department of Natural Resources Box 7921

#### NOTE:

WELL CONSTRUCTOR'S REPORT

Form 3300-15

Rev 12-76 62

Madison, Wisconsin 53707

White Copy Green Copy Yellow Copy Division's CopyDriller's CopyOwner's Copy

APR 1 1982

1. COU	NTY	Sa	uk	•	CHECK (	ONE:	□ viii	age	☐ City	17%	me LVU	mac	ر کور	ith,	part)
2. LOC	ATION	Hor	tion /	Section  W4) 7	Township / / / /	Range	E	3. NAME	Jum	NER 🔀	AGENT	AT TIME	OF DRIL	LING C	HECK (1) ONE
OR	PEI	id or SI	AN.	Street Nam		82	5	ADDR	ESS /	PR.		W	ELL	# 1	1
AND	) – If :	availabl	e subdivis	sion name, lo	1 & block No.			POST	OFFICE	iai	rie	Dux	Suc		
	earest:	(Rec	ord j	Building	Sanitary Bidg. D		C.I.	Bidg. Sewe		Floor Dronnected	ain 1 To: ther Sew		Bldg. Drai		Storm Bidg. Sev
Street San.	Sewer Storm	Oth C.I.	Other	Foundation Sewer Clearwater	Sewage Sump Clearwate	C.1					Fank	Sewage At Seepage Pi Seepage Bo	it	Jnit 150	
Privy	Pet	Pit: N	onconfor	Dr. ming Existin	Sump			arn Anin		I Silo With	Glass	Seepage Ti	rench ilo Earth	nen Silad	
	Waste Pit	Well Pump Tank			Nonconform	ning Exist	ing G	utter Bar Per	n Yard	With	Pit Stor Facil	lity P	/o Stora It Pit	ege Tren	ch Or
Tempor Manure Stack	1	Waterti Liquid Tank	Manure :	Solid Manure Storage Structure	Subsurface Gasoline or Oil Tank	Waste Po Disposal (Specify	Unit	3	Give Des	-		SC.	# <u>14</u>		
5. Well	is intend		supply wa	/	lnita			9. FOR	ATIONS	Kind	-	-	+ From	(ft.)	To (ft.)
6. DRI		E	To (ft.)		From (ft.)	To (	ft )	De.	المندر	0	المعمدة.	282 000		<del></del>	14
11	1	rface	10 (11.	)   Dia. (iii.)	From (it.)	10 (	11.)	1		و المراجع الم	Di.	n 0	Surfac		125
6	7	0	320	3		-			Jewans (	)	2000	<i>y</i> -0 <u>(</u>	12	25	18
7. CAS	ING. LI	NER, C		AND SCRE	EN (ft.)	To (	····	A TOTAL SERVICES	J.	D	Ra	6	15	25	397
Dia. (in	A	53)	lew x	tag	From (ft.) Surface	60	(i)		<del>Jesos I</del>	<del>u</del>	100	Z11	10		3340
	4/4	<del>V E</del>	o#	11	9	Jana Barrell		A 0			<u></u>		T	0 1	901
		/ · <del>· ·</del> (	00	pg.			<del></del>	File	PROV	ATIO	DA:	Pub	ric h	JATE	ER SUPP
6	Kei	v 42	and K	er ta	Skufan	21	0		Tos						COTM
<u>ر ر</u> بد	lum			retal.		<del> </del>			E OF DRII		MACHIN	E USED		-	<u>.l.,</u>
8. GRC	OUT OR	OTHE		NG MATERI	262	<u> </u>		Ø	Cable Too	i	- w/	tary-hamm drilling Id & air	er	□	etting with
		Ki			From (ft.)	To (	ft.)		Rotary-air w/drilling		□ R°	tary-hamm sir	ner	ב	Air Water
Cen	und				Surface	6	<u>0                                    </u>		Rotary-w/e mud	drilling	☐ Re	verse Ripta	ry		
69	als	بيه	ater EOUS D	941	& Cemi	tr	itio	Well cons	truction co	mpleted	on	Ju	ly,	16	19_ <b>B</b> /
	MISCE Yield Te		EUUSU	<u>X</u>	Hrs. at	60	_ GPM	Well is ter	minated -	12	in	ches $\Box$	above below	final	grade
	Depth fi	rom sur	face to no	ormal water l	evel6	0	Ft.	Well disin	ected upor	n compl	etion	ø	Yes C	J No	
	-	f water pumpin	level 8	5_ F1.	Stabilized	₩ Yes	□ No	Well scale	1 watertigh	t upon (	completi	on C	X Yes [	⊃ No	
	Water sa				4 3 PM/E+/1/	rde	in	ر		aborato	<u>:                                      </u>	Sex	<u>+1</u>		198/
Your o finishir	pinion c	oncern ell, amo	ing other ount of ce	pollution har ment used in	zards, information grouting, blasti	on concer ng, etc., s	ning diffi hould be	given on r	ountered, severse side.	and data	relating	to nearby	wells, scre	ens, sea	ls, method
Signatur	10/		91	01	SGS	PRIV. M.S		Complete 245	Wait ddi	ress Na	H	).	_ d	u Se	willi
<u> </u>	1111-	1-1717	1110	1210	Kegistere	ed Well Di	iller '	- , , —		V					- ,

#### NOTE:

White Copy Green Copy Yellow Copy Division's Copy Driller's Copy Owner's Copy WELL CONSTRUCTOR'S RL! Form 3300-15 Rev 2-79

	· · · · · · · · · · · · · · · · · · ·
OUNTY CHECK (V/ON)	Same
Section Township Range	a state. The amount of
2. LOCATION Start Latte 17 10N 7E	3. NAME OF DRILLING CHECK (A ONE
OR - Grid or Street No. Street or Road Name	ADDRESS Pt
AND - If available subdivision name, but & block No.	POST OFFICE ZID CODE
4. Distance in feet from well Building Sanitary Bldg. Drain Sanitary	Bldg. Sewer Floor Drain Storm Bldg. Drain Storm Bldg. Sewer
to nearest: (Record 8/4 C.I. Other C.I. answer in appropriate block)	Other C.I. Sewer Other Sewer C.I. Other C.I. Other
Street Sewer   Other Sewers Foundation Drain Connected to Sewage Sale	
San. Storm C.I. Other Sewer Sewage C.I. Oth Sump Clearwater Dr. Sump	Seepage Pit Seepage Bed Seepage Trench Retention or Pnuematic Tank Seepage Trench
Privy Pet Pit: Nonconforming Existing - Subsurface Pumproom . E	Barn Animal Animal Silo Glass Lined Silo Earthen Silage Earthen
Waste Pit Nonconforming Existing G Pump Tank	ulter Barn Yard With Pit Storage w/o Storage Trench Manure Basin Pen Pit Or Pit
Temporary Manure , Watertight Liquid   Manure   Subsurface   Waste Pond (	
Stack or Platform Manure Tank or Basin Pressure Gasoline or Disposal Unit (Specify Ty	Concrete Floor Only Concrete Floor and Partial Concrete Walls
5. Well is intended to supply water for:	9. FORMATIONS
Ame	Kind From (ft.) To (ft.)
5. DRILLHOLE  Dia. (in.)   From (tt.)   To (ft.)   Dia. (in.)   From (ft.)   To (ft.)	Surface 125
20 Surface 15	A S. Le 0 155 190
1. 15-235	1 1 CP-1 191 236
7. CASING, LINER, CURBING AND SCREEN Material, Weight, Specification	Janel 1012
Material, Weight, Specification  Dia. (in.)   Mfg. & Method of Assembly   From (ft.)   To (ft.)	
6" New Stan Bell still Surface 255	
19.45 to 18 y 0	
Sunitam Notel	İ
453	
	10. TYPE OF DRILLING MACHINE USED
9. CROUT OR OTHER CEATING MATERIAL	Rotary-hammer W/drilling mud & air     Jetting with
8. GROUT OR OTHER SEALING MATERIAL  Kind From (ft.) To (ft.)	Rotary-air Rotary-hammer Air
Dill Cutting Surface 15	
Sall cultures summer 1.5	Well construction completed on Mar 23 19 &2
11. MISCELLANEOUS DATA	Tall above
Yield Test: JS Hrs. at S GPM	Well is terminated inches below final grade
Depth from surface to normal water level57 Ft.	Well disinfected upon completion Yes I No
Depth of water level Ft. Stabilized Yes No	Well sealed watertight upon completion  Yes  No
Water sample sent to	laboratory on
ur opinion concerning other pollution hazards, information concerning diffinishing the well, amount of cement used in grouting, blasting, etc., should be	iculties encountered, and data relating to nearby wells, screens, seals, method of given on reverse side.
Signature 0 0	Business Name and Complete Mailing Address
The Island	245 (Varp M., 1): 1 A. L.

TOUNTY  CHECK ONE  CHECK ONE  TOWN   Village   City  CHECK ONE  LOCATION (Number and Sufest or ), section, section, township and range. Also give subdivision name, lot and block numbers when available.)  LOCATION (Number and Sufest or ), section, section, township and range. Also give subdivision name, lot and block numbers when available.)  LOCATION (Number and Sufest or ), section, section, township and range. Also give subdivision name, lot and block numbers when available.)  LOCATION (Number and Sufest or ), section, section, township and range. Also give subdivision name, lot and block numbers when available.)  LOCATION (Number and Sufest or ), section, section, township and range. Also give subdivision name, lot and block numbers when available.)  LOCATION (Number and Sufest or ), section, section, township and range. Also give subdivision name, lot and block numbers when available.)  LOCATION (Number and Sufest or ), section, section, township and range. Also give subdivision name, lot and block numbers when available.)  LOCATION (Number and Sufest or ), section, section, township and range. Also give subdivision name, lot and block numbers when available.)  LOCATION (Number and Sufest or ), section, section, township and range. Also give subdivision name, lot and block numbers when available.)  LOCATION (Number and Sufest or ), section, section, township and range. Also give subdivision name, lot and block numbers when available.)  LOCATION (Number and Sufest or ), section, section, township and range. Also give subdivision name, lot and block numbers when available.)  LOCATION (Number and Sufest or ), section, section, section of the subdivision name, lot and block numbers when available.)  LOCATION (Number and Sufest or ), section, section, section of the subdivision name, lot and block numbers when available.)  LOCATION (Number and Sufest or ), section of the subdivision name, lot and block numbers when available.)  LOCATION (Number and Sufest or ), section of the subdivision name, lot and location n	WELL CONSTRUCTOR'S REPORT	W. 175 CODY DU	DEPARTMENT OF	NATURAL R
CLASING LUNER CURBING, AND SCREIN   CLASING LUNER, CURBING, AND SCREIN   CLASING LUNER, CURBING, AND SCREIN   Clasing luner in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence in sequence	Wel-6	. GREEN COPY - DI	RILLER'S COPY Modison, W	iscensin 53701
DOWNER OWNERS COMPLETE MAIL ADDRESS   BUILDING BANTTARY SEVERAL POOR DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DRAWN   COUNTRACTOR DRAWN   WASTE WATER DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DATA   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DATA   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   WASTE WATER DEALN   COUNTRACTOR DRAWN   COUNTRACTOR DRAWN   COUNTRACTOR DRAWN   COUNTRACTOR DRAWN   COUNTRACTOR DRAWN   COUNTRACTOR DRAWN   COUNTRACTOR DRAWN   COUNTRACT	I. COUNTY	1		
CONNERS COMPLETE MAIL ADDRESS  5. Distance in feet from well to nearest. BULLDING SANTARY SEVERIPLIOR DRAIN  (Record answer in appropriate bleed)  C.1. TILE  C.1. TILE  C.2. TILE  C.3. TILE  C.4. TILE  C.5. TILE  C.5. TILE  C.6. TILE  C.7. TILE  C.7. TILE  C.8. TILE  C.9. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.2. TILE  C.3. TILE  C.4. TILE  C.5. TILE  C.5. TILE  C.6. TILE  C.7. TILE  C.7. TILE  C.8. TILE  C.9. TILE  C.9. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.2. TILE  C.3. TILE  C.4. TILE  C.5. TILE  C.5. TILE  C.5. TILE  C.6. TILE  C.7. TILE  C.7. TILE  C.8. ABANDONED WELL SINK HOLE  C.9. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.2. TILE  C.3. TILE  C.4. TILE  C.5. TILE  C.5. TILE  C.5. TILE  C.6. Well is intended to supply water for:  C.7. DISTRICTION SOURCES (Ofw description and as disso, curry, drainage well, stream, poed, lake, etc.)  C.8. CASING, LINER, CURBING, AND SCREEN  Districe  C.9. Districe  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.2. TILE  C.3. TILE  C.4. TILE  C.5. TILE  C.5. TILE  C.5. TILE  C.6. Well is intended to supply water for:  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.2. TILE  C.1. TILE  C.1. TILE  C.2. TILE  C.1. TILE  C.2. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.2. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.2. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1	2. LOCATION (Number and Suest or 14 section, se			available.)
CONNERS COMPLETE MAIL ADDRESS  5. Distance in feet from well to nearest. BULLDING SANTARY SEVERIPLIOR DRAIN  (Record answer in appropriate bleed)  C.1. TILE  C.1. TILE  C.2. TILE  C.3. TILE  C.4. TILE  C.5. TILE  C.5. TILE  C.6. TILE  C.7. TILE  C.7. TILE  C.8. TILE  C.9. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.2. TILE  C.3. TILE  C.4. TILE  C.5. TILE  C.5. TILE  C.6. TILE  C.7. TILE  C.7. TILE  C.8. TILE  C.9. TILE  C.9. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.2. TILE  C.3. TILE  C.4. TILE  C.5. TILE  C.5. TILE  C.5. TILE  C.6. TILE  C.7. TILE  C.7. TILE  C.8. ABANDONED WELL SINK HOLE  C.9. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.2. TILE  C.3. TILE  C.4. TILE  C.5. TILE  C.5. TILE  C.5. TILE  C.6. Well is intended to supply water for:  C.7. DISTRICTION SOURCES (Ofw description and as disso, curry, drainage well, stream, poed, lake, etc.)  C.8. CASING, LINER, CURBING, AND SCREEN  Districe  C.9. Districe  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.2. TILE  C.3. TILE  C.4. TILE  C.5. TILE  C.5. TILE  C.5. TILE  C.6. Well is intended to supply water for:  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.2. TILE  C.1. TILE  C.1. TILE  C.2. TILE  C.1. TILE  C.2. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.2. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.2. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1. TILE  C.1	VIN YICO IL DENTINO	5 T10	N PIF	
5. Distance in feet from well to nearest: BULLIAINS SANTARY SEVERIFICAN DISAN.  (Record answer in appropriate block)  CLEAR WATER DIRAIN SEPTIC TANK PRIVY SERFAGE PTT ASSORPTION FIELD BARN SED ABANDONED WELL SINK HOLE  C. I. TILE  C. I. TILE SEWER CONNECTED DIRAGE PEDDAY  C. I. TILE  C. I. TILE SEWER CONNECTED DIRAGE PEDDAY  C. I. TILE  C. I. TILE SEWER CONNECTED DIRAGE PEDDAY  C. I. TILE  C. I. TILE SEWER CONNECTED DIRAGE PEDDAY  C. I. TILE  C. I. TILE SEWER CONNECTED DIRAGE PEDDAY  C. I. TILE  C. I. TILE SEWER CONNECTED DIRAGE PEDDAY  C. I. TILE  C. I. TILE SEWER CONNECTED DIRAGE PEDDAY  C. I. TILE  C. I. TILE SEWER CONNECTED DIRAGE PEDDAY  C. I. TILE  C. I. TILE SEWER CONNECTED DIRAGE PEDDAY  THE SEWER CONNECTED DIRAGE PEDDAY  TO CONNECTED DIRAGE PEDDAY  TO CONNECTED DIRAGE PEDDAY  TO CONNECTED DIRAGE PEDDAY  TO CONNECTED DIRAGE PEDDAY  TO CONNECTED DIRAGE PEDDAY  TO CONNECTED DIRAGE PEDDAY  TO CONNECTED DIRAGE PEDDAY  TO CONNECTED DIRAGE PEDDAY  TO CONNECTED DIRAGE PEDDAY  TO CONNECTED DIRAGE PEDDAY  THE SEWER CONNECTED DIRAGE PEDDAY  THE SEWER CONNECTED DIRAGE PEDDAY  THE SEWER CONNECTED DIRAGE PEDDAY  THE SEWER CONNECTED DIRAGE PEDDAY  THE SEWER CONNECTED DIRAGE PEDDAY  THE SEWER CONNECTED DIRAGE PEDDAY  THE SEWER CONNECTED DIRAGE PEDDAY  THE SEWER CONNECTED DIRAGE PEDDAY  THE SEWER CONNECTED DIRAGE PEDDAY  THE SEWER CONNECTED DIRAGE PEDDAY  THE SEWER CONNECTED DIRAGE PEDDAY  THE SEWER CONNECTED DIRAGE PEDDAY  THE SEWER CONNECTED DIRAGE PEDDAY  THE SEWER CONNECTED DIRAGE PEDDAY  THE C. I. TILE  C. I. TILE  C. I. TILE  C. I. TILE  C. I. TILE  C. I. TILE  C. I. TILE  SEMANDON DIRAGE PEDDAY  THE SEWER CONNECTED DIRAGE PEDDAY  THE C. I. TILE  C. I. TILE  C. I. TILE  C. I. TILE  C. I. TILE  C. I. TILE  C. I. TILE  C. I. TILE  C. I. TILE  C. I. TILE  C. I. TILE  THE  SEMANDON DIRAGE PEDDAY  THE C. I. TILE  C. I. TILE  THE  SEMANDON DIRAGE PEDDAY  THE C. I. TILE  THE  SEMANDON DIRAGE PEDDAY  THE C. I. TILE  THE  SEMANDON DIRAGE PEDDAY  THE C. I. TILE  THE  THE  SEMANDON DIRAGE PEDDAY  THE  THE  SEMANDON DIRAGE P	S. OWNER AT TIME OF BRIDE	enden)		/
5. Distance in feet from well to nearest:   SULLDING SANITARY SERVER  FLOOR DEARN   FOURNATION DRAM   WASTE WATER BEAIN (Record enswer in epprepriate block)   SULLDING SANITARY SERVER  FLOOR DEARN   FOURNATION DRAM   WASTE WATER BEAIN (Record enswer) in epprepriate block)   SULLDING SANITARY SERVER  FLOOR DEARN   FOURNATION DRAM   WASTE WATER BEAIN (Record enswer) in expression to be provided by the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the sull of the	4. OWNER'S COMPLETE MAIL ADDRESS	,	1.1.	<i></i>
(Record answer in appropriate block)    C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   C.   TILE   TILE   TILE   TILE   C.   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE   TILE	5. Distance in feet from well to peacest.		VERIFLOOR DRAIN; FOUNDATION DRAIN	WASTE WATER DRAIN
OTHER FOLLUTION SOURCES (Give description much as dismp. quarry, drainage well, stream, pand, lake, etc.)  6. Well is intended to supply water for:  7. DRILLHOLE  Dis. (in.)   Trom (ft.)   Dis. (in.)   Prom (ft.)   To (ft.)    8. CASING, LINER, CURBING, AND SCREEN  Dis. (in.)   Kind and Weight   From (ft.)   To (ft.)    8. CASING, LINER, CURBING, AND SCREEN   Surface   Joo /2 )  9. GROUT OR OTHER SEALING MATERIAL   Kind   Material   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind				ENT C. I. TILE
OTHER FOLLUTION SOURCES (Give description much as dismp. quarry, drainage well, stream, pand, lake, etc.)  6. Well is intended to supply water for:  7. DRILLHOLE  Dis. (in.)   Trom (ft.)   Dis. (in.)   Prom (ft.)   To (ft.)    8. CASING, LINER, CURBING, AND SCREEN  Dis. (in.)   Kind and Weight   From (ft.)   To (ft.)    8. CASING, LINER, CURBING, AND SCREEN   Surface   Joo /2 )  9. GROUT OR OTHER SEALING MATERIAL   Kind   Material   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind	CLEAR WATER DRAIN I SERVIC TANK IRRIVE	60 / / 5	VIZOR none	23
OTHER POLLUTION SOURCES (Citive description such as dismip, quarty, drainage well, stream, peed, laba, etc.)  6. Well is intended to supply water for:  7. DRILLHOLE  Dis. (in.)   Trom (ft.)   To (ft.)   Dis. (in.)   From (ft.)   To (ft.)    8. CASING, LINER, CURBING, AND SCREEN  Dis. (in.)   Kind and Weight   From (ft.)   To (ft.)    9. GROUT OR OTHER SEALING MATERIAL  Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   K	C.1. THE		ABANDORED WELL	, SINK HOLE
6. Well is intended to supply water for:    Dis. (in.)   From (ft.)   To (ft.)   Dis. (in.)   From (ft.)   To (ft.)   Dis. (in.)   From (ft.)   To (ft.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (in.)   Dis. (	201			
7. DRILLHOLE  Dis. (in.)   From (ft.)   To (ft.)   Dis. (in.)   From (ft.)   To (ft.)    Surface   2D   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Surface   Su	OTHER POLLUTION SOURCES (Give description	such as dump, quarry, drain	nage well, stream, pond, lake, etc.)	
7. DRILLHOLE  Dis. (in.)   Trom (ft.)   To (ft.)   Dis. (in.)   From (ft.)   To (ft.)    Surface   2D   Surface   Surface   O    8. CASING, LINER, CURBING, AND SCREEN  Dis. (in.)   Kind and Weight   From (ft.)   To (ft.)    8. CASING, LINER, CURBING, AND SCREEN   From (ft.)   To (ft.)    8. CASING, LINER, CURBING, AND SCREEN   From (ft.)   To (ft.)    8. CASING, LINER, CURBING, AND SCREEN   From (ft.)   To (ft.)    8. CASING, LINER, CURBING, AND SCREEN   From (ft.)   To (ft.)    8. CASING, LINER, CURBING, AND SCREEN   From (ft.)   To (ft.)    8. CASING, LINER, CURBING, AND SCREEN   From (ft.)   To (ft.)    8. CASING, LINER, CURBING, AND SCREEN   From (ft.)   To (ft.)    8. CASING, LINER, CURBING, AND SCREEN   From (ft.)   To (ft.)    8. CASING, LINER, CURBING, AND SCREEN   From (ft.)   To (ft.)    8. CASING, LINER, CURBING, AND SCREEN   From (ft.)   To (ft.)    8. CASING, LINER, CURBING, AND SCREEN   From (ft.)   To (ft.)    8. CASING, LINER, CURBING, AND SCREEN   From (ft.)   To (ft.)    8. CASING, LINER, CURBING, AND SCREEN   From (ft.)   To (ft.)    8. CASING, LINER, CURBING, AND SCREEN   From (ft.)   To (ft.)    8. CASING, LINER, CURBING, AND SCREEN   From (ft.)   To (ft.)    8. CASING, LINER, CURBING, AND SCREEN   From (ft.)   To (ft.)    8. CASING, LINER, CURBING, AND SCREEN   From (ft.)   To (ft.)    8. CASING, LINER, CURBING, AND SCREEN   From (ft.)   To (ft.)    9. GROUT OR OTHER SEALING MATERIAL   From (ft.)   To (ft.)    8. CASING, LINER, CURBING, AND SCREEN   From (ft.)   To (ft.)    9. GROUT OR OTHER SEALING MATERIAL   From (ft.)   To (ft.)    9. GROUT OR OTHER SEALING MATERIAL   From (ft.)   To (ft.)    9. GROUT OR OTHER SEALING MATERIAL   From (ft.)   To (ft.)    11. MISCELLANEOUS DATA   From (ft.)   To (ft.)    9. GROUT OR OTHER SEALING MATERIAL   From (ft.)   To (ft.)    9. GROUT OR OTHER SEALING MATERIAL   From (ft.)   To (ft.)    9. GROUT OR OTHER SEALING MATERIAL   From (ft.)   To (ft.)    11. MISCELLANEOUS DATA   From (ft.)   To (ft.)    12. MISCELLANEOUS DATA   From (ft.)   To (ft.)    13.	6. Well is intended to supply water fo			
Die, (in.) From (ft.) To (ft.) Die, (in.) From (ft.) To (ft.)    Surface   20   Surface   Surface   O	7 DBILLHOLE	- Hime	·	
Surface   20   Surface   0    8. CASING, LINER, CURBING, AND SCREEN   Surface   0    9. CASING, LINER, CURBING, AND SCREEN   From (ft.)   To (ft.)    1		From (ft.) To (ft.)		From (ft.) To (ft.)
8. CASING, LINER, CURBING, AND SCREEN  Dis. (in.)  Kind and Weight  From (ft.)  Surface  From (ft.)  Surface  From (ft.)  From (ft.)  From (ft.)  Surface  Well construction completed on Act / h 19 , 7  Till MISCELLANEOUS DATA  Yield test:  Depth from surface to normal water level  Population  Mell disinfected upon completion  Well construction  Well disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion  Mell disinfected upon completion	Surface 127		8.0 4.0	
8. CASING, LINER, CURBING, AND SCREEN  Dia. (in.)  Kind and Weight  Surface  Surface  From (ft.)  9. GROUT OR OTHER SEALING MATERIAL  Kind  Surface  Well construction completed on Cont.  Well construction completed on Cont.  Well disinfected upon completion  Depth from surface to normal water level  Population to water level when pumping  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight upon completion  Well sealed watertight up	<u> </u>		Sand a Thavel	100
Die. (in.)    Kind and Weight   From (ft.)   To (ft.)     Kind   Surface   Kind   Surface   Kind   Surface   Kind   Surface   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Kind   Ki			Gravel	100/2,
Surface	•	4 1		
Attel 19.45 Just  5 Johnson Stanles  9. GROUT OR OTHER SEALING MATERIAL Kind From (ft.) To (ft.)  Surface  Well construction completed on At 16 19.7  11. MISCELLANEOUS DATA Yield test: 20 Hrs. at 15 GPM Well is terminated 2 inches below final gra 19.7  Depth from surface to normal water level 8 ft. Well disinfected upon completion 4 Yes 10.0  Depth to water level when pumping ft. Well sealed watertight upon completion 4 Yes 19.6  Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to ne 2 wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, such	N II OI			
Surface   Well construction completed on	6 Recistand Der	11-6		
Surface   Well construction completed on	Steel 19.45 Ju	#		
Surface   Well construction completed on	~ 14 Q.1. PS	1 0.		
Surface   Well construction completed on	Ja Johnson St	2.1.	<del> </del>	
Surface   Well construction completed on	Screen - 15 St			
Surface   Well construction completed on			1	
Surface  Well construction completed on Lt / 6 19, 7  11. MISCELLANEOUS DATA Yield test: 20 Hrs. at /5 GPM Well is terminated / 2 inches below final gra ';  Depth from surface to normal water level 8 ft. Well disinfected upon completion Yes inches to water level when pumping ft. Well sealed watertight upon completion Yes 19/6  Water sample sent to laboratory on: Lct / 7 19/6  Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to ne 2 wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-				
Well construction completed on At 16 19, 7  11. MISCELLANEOUS DATA  Yield test: 20 Hrs. at 15 GPM Well is terminated 12 inches above final gra';  Depth from surface to normal water level 8 ft. Well disinfected upon completion Yes into the sample sent to 19/6  Water sample sent to 19/6  Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to ne powells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, substances.	Kind			<del></del>
11. MISCELLANEOUS DATA Yield test:    20		Surface		
11. MISCELLANEOUS DATA Yield test:    20			Well construction completed on A +	- // 10 5
Yield test:    Comparison of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of the policy of t	- ·			Cabove
Depth to water level when pumping  ft. Well sealed watertight upon completion  Water sample sent to  Iaboratory on: Actify 19/6  Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to ne of wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-	Yield test: 20 Hrs.			below final gra
Water sample sent to laboratory on: Act 7, 9 19/6 Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to ne of wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-	Depth from surface to normal water leve	el 8 % ft.	Well disinfected upon completion	K Yes ☐ 140
Water sample sent to laboratory on: Act 7, 9 19/6 Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to ne of wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-		00	Well sealed watertight upon completion	⊠_Yes ∏ c
Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to ne of wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-	//	<del></del>		
wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-	Water sample sent to	2 <i>c</i> ~~	laboratory on: , Ca	17, 8 19/6
wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, subsurface pumprooms, access pits, etc., should be given on reverse side.	Your opinion concerning other pollutio	n hazards, information	concerning difficulties encountered, and	data relating to ne o
	wells, screens, seals, type of casing ic surface pumprooms, access pits, etc., sh	onts, method of finisle tould be given on rev	hing the well, amount of cement used in erse side.	grouting, blasting, sub
SIGNATURE COMPLETE MAIL ADDRESS				
The first the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the stat	dallere Kelset		1.16	nie Au da.
Please do not write in space below  COLLFORM TEST RESULT GAS—24 HRS. GAS—46 HRS. CONFIRMED REMARKS	COLIFORM TEST RESULT			ARKS

State of Wisconsin Department of Natural Resources
Box 450 Madison, Wisconsin 53701

NOTE:

White Copy
Green Copy
Yellow Copy

- Division's Copy
Driller's Copy
Owner's Copy

y y SLL CONSTRUCTOR'S F For 3300-15 Rev. 10-75

	NTY		Sa.	, R	CHECK (✓		/illage	City	Name	4 .	;	
2. 100	CATION	1/4 S	ection,	Section	5 10 N	Range	3. NAME	OWNER	AGENT	AT TIME OF	DRILLING	CHECK (A) ONE
OR		rid or S	treet No.	Street Na			ADDRE	SS	114	00,00		
							10	210	Cho-	se lo	ic	
ANI	D – if	availab	le subdiv	ision name,	lot & block No.		POST O	FFICE	baco	0, 2	/	-
Dist	ance in f	eet fro	m well	Building	Sanitary Bldg. D	rain Sanita	ry Bldg. Sewer	Floo	or Drain ected To:	Storm Bld	. Drain	Storm Bldg. Sewe
	earest:	(Rec	ord te	11 A	C.I. 1 0	ther C.I.	U Other		Other Sew	er C.I.	Other	C.I. Other
bloc			er Sewers	U KX	On Drain Connecte	d to: Sewage	H Class	water   Sept	is   Holding	Sewage Absorp	tion Unit	
an.	Storm	C.I.	Other	Sewer	Sewage			mp Tani	k Tank	Seepage Pit	75	pt
				Clearwat Dr.		1-1		40,	et !	Seepage Bed		0
Privy	Pet	Pit: N	lonconfo	rming Exist	Sump ing   Subsurface P	umproom	Barn Anima		ilo Glas	Seepage Trenci	Earthen Sila	nge
1	Waste Pit	Well			Nonconform	ing Existing	Gutter Barn Pen	Yard V	With Pit Stor Faci	age w/o	Storage Tre Pit	nch Or
		Pump	<del>'</del>		<b></b>					]		
Tempo	rary	Watert	ight Manure	Solid Manu Storage		Waste Pond or Disposal Unit	Land Other	(Give Descrip	ption)	<del></del>		
ack	Ĭ	Tank	Walture	Structure	Oil Tank	(Specify Type	)					
	1		لــــِـــا							· · · · · · · · · · · · · · · · · · ·		
5. Wel	l is inten	ded to	supply w	ater for:	X/mag		9. FORM				F (f4.)	1
	ILLHOI	E			~ nce			<u>K</u> 1	ind /		From (ft.)	To (ft.)
			To (ft	.)   Dia. (ii	1.)   From (ft.)	To (ft.)		Kan P.	L Ha	0	Surface	60
	,		10 (11	., DE. (II	.,	10 (11)	1 ~	any :		CA-CA	/	
	Sı	ırface	20		1	1		X A	7		601	130
			21					The state of	2 /2	0		
	0	20	09			1		Sand	4 Sh	and !	150	230
CAS	SING, LI	NER. (	CURBING Veight, S	G AND SCR pecification	EEN			0.	0	•	, <u> </u>	12/1
) <u>ia. (i</u>	in.)	& Met	hod of A	ssembly	From (ft.)	To (ft.)			wel		<u>22</u>	<u> </u>
6	" n	Wo	tone	Beh	the Surface	241	1		<u> </u>			
19	.45	#1	wk	9 J	26							
A	541	1 4	52	Lu	ne torra /	and I						
			<del></del>			A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A PARTIES AND A					<u>, , , , , , , , , , , , , , , , , , , </u>	
					1		10. TYPE	OF DRILLE				
					1_/_	<u> </u>			w/	tary-hammer drilling		Jetting with
8. <b>GR</b>	OUT OR			ING MATE	1 /	1	, ,	Cable Tool Rotary-air		id & air itary-hammer		Air
		K	ind		From (ft.)	To (ft.)	⊣ ⊏;	v/drilling mud	a   🗆 🛣	air		□ C" □ Water
	Vsa	<u>l</u> X	Cul	Tinis	Surface	20		Rotary-w/dril nud	ling Re	verse Rotary	i	
							Well const	ruction comp	leted on	May	14	19 <i></i>
1.			EOUS I	DATA_	2	GPI GPI	Mell is tern	ninated	10	<u>~</u> `	bove fina elow	il grade
	Yield T				Hrs. at	A a				_	es 🗆 No	<del></del>
				ormal water	r ievel	<i>D</i> Ft.	well disinfe	cted upon co	napietion	<u> </u>	140	
-	Depth o	of water pumpir		80 F	t. Stabilized	Yes 🗆	No Well sealed	watertight u	pon completi	on 🗵 1	es 🗆 No	
	Water s				$\mathcal{M}$	ades	~~		ratory on _	May	16	1977
inishi	opinion ing the w	concern rell, am	ing other	pollution lement used	azards, informatio in grouting, blasti	on concerning d ng, etc., should	ifficulties enco be given on rev	untered, and verse side.	data relating	to nearby(well	s, screens, se	als, method of
ignatu	19 (J	1/		p.1	n n		Complete	Mail Andress	<u> </u>	0.		<u> </u>

### State of Wisconsin Department of Natural Resources Private Water Supply Box 7921

#### NOTE:

WELL CONSTRUCTOR'S REPORT

White Copy Form 3300-15 Division Copy Green Copy Yellow Copy Driller's Copy 66 Owner's Copy Madison, Wisconsin 53707 COUNTY CHECK (*) ONE: 🔀 Town 🗀 <u>Village</u> 221-172-1 4 Section or Goy't, Lgt Township Range Section NAME S OWNER AGENT AT TIME OF DRILLING CHECK IA ON: ADDRESS OR Grid or Street No. Street or Road Name AND - If available subdivision name, lot & block No. POST OFFICE ZIP CODE Sanitary Bldg. Drain 4. Distance in feet from well Building Sanitary Bldg, Sewer Storm Bldg, Drain Storm Bldg. Sewer to nearest: (Record Other CI Other Other Sewer Other answer in appropriate block) Sewage Sump Seblic Holding Sewage Absorption Unit: Manure Hopper or Tank Tank Seepage Pit Retention or Phuematic Tank Other Sewers | Foundation Drain Connected to Street Sewer Clearwater Other C.I. Sewage Sump San Storm Other Sewer 100 Seepage Bed /25 / Clearwater Dr. Clearwater |Sump Seepage Tranch Privy Animai Barn Pen Pet Waste Pit Barn Gutter Glass Lined Silo Storage w/o Facility Pit Pit: Nonconforming Existing Subsurface Pumproom Animal Sito Yard With Pit Earthen Silage Earthen Storage Trench Manure Basin Or Pit Well Nonconforming Existing Pump Tank Temporary Manure Stack or Platform Watertight Liquid Manure Tank or Manure Pressure Subsurface Gasoline or Oil Tank Waste Pond or Land Disposal Unit Manure Storage Basin Other (Describe) Concrete Floor Only Pipe Basin (Specify Type) Concrete Floor and Partial Concrete Walls 5. Well is intended to supply water for: 9. FORMATIONS Kind From (ft.) To (ft.) DRILLHOLE Dia. (in.) From (tt.) | To (ft.) | Dia. (in.) | From (ft.) To (ft.) Surface Surface CASING, LINER, CURBING AND SCREEN Material, Weight, Specification ia. (in.) Mfg. & Method of Assembly / 1 Dia. (in.) To (ft.) From (ft.) 8 Surface i 84 181 10. TYPE OF DRILLING MACHINE USED Rotary-hammer w/drilling mud & air Cable Tool Jetting with 8. GROUT OR OTHER SEALING MATERIAL Rotary-air w/drilling mud Rotary-hammer Air Kind From (ft.) To (ft.) Water Rotary-w/drilling mud Reverse Rotary Surface Well construction completed or MISCELLANEOUS DATA above 0 final grade **GPM** Well is terminated inches below Yield Test: 🔯 Yes 🗆 No Well disinfected upon completion Depth from surface to normal water level Ft. Depth of water level Stabilized Yes ... No Well sealed watertight upon completion X Yes C No Ft. when pumping 80 19

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature red Well Driller

Water sample sent to

Business Name and Complete Mailing Address

laboratory on

State of Wisconsin
Department of Natural Resources
Private Water Supply
Box 7921

#### NOTE:

WELL CONSTRUCTOR'S RE Form 3300-15 Re Rev. 2-79

Private Water Supply Box 7921	White Copy Green Copy	- Division's Copy - Driller's Copy	Form 3300-15	R/	ev. 2-79
Madison, Wisconsin 53707	Yellow Copy	Owner's Copy			ì
COUNTY	CHECK (V) ONE:	Na Na	me S	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
4 Section or Gov't, Lot	. Section Township Range			unac.	
2. LOCATION NIL	8 10N 7E	3. NAME OWNER C	AGENT AT TIME OF	F DRILLING CH	ECK (A ONE
OR - Grid or Street No.   Street or R		ADDRESS	<u>contractor</u>	ω	
	vu 78	はるにる	monim	a. Dr	
AND - If available subdivision name, lo	t & (b) ock No.	POST OFFICE		ZIP CODE	
		Bing Sewer   Floor D	مر المار	<u>ac</u> 5	3716
4. Distance in feet from well Building to nearest: (Record	Sanitary Bldg. Drain   Sanitary E C.I. Other   C.I.	Other C.I. Sewer	d To: Storm B	Other C.	orm Bldg. Sew
answer in appropriate 15					
Street Sewer Other Sewers   Foundation	Drain Connected to: Sewage Sun Sewage C.I. Oth		Holding   Sewage Abso	rption Unit Man	ure Hopper or
San. Storm C.I. Other Sewer	Sump	None	Seepage Pit	Pnue	matic Tank
Dr.	Sump		Seepage Tren	ich	ic
Privy Pet Pit: Nonconforming Existing Well Well	Subsurface Pumproom B  Nonconforming Existing	arn Animal Animal Silo utter Barn Yard With Pen	Glass Lined   Silo Pit Storage   W/o Facility   Pit		Manure Basi
Pump Tank					
Temporary Manure , Watertight Liquid   Ma	nure   Subsurface   Waste Pond o			escribe)	<del></del>
Stack or Platfo.m Manure Tank or Pre Basin	essure   Gasoline or   Disposal Unit De   Oil Tank   (Specify Tyl				
5. Well is intended to supply water for:		9. FORMATIONS			
3. Wen is ultended to supply water for:	House	9. FORMATIONS Kind		From (ft.)	To (ft.)
6. DRILLHOLE	7.000	0.1		110111 (11.)	10 (11.)
Dia. (in.) From (tt.) To (ft.) Dia. (in.)	From (ft.)   To (ft.)	Clay		Surface	10
Surface 105		santic	MANUAL	10	35
O Surface	<del></del>	<u> </u>	gaver	10	<u>3</u> 3
6 111		Sard	<i>O</i>	35	76
7. CASING, LINER, CURBING AND SCRE, Material, Weight, Specification	EN	20 0/11/1	E M-	~~,	00
Dia. (in.) Mfg. & Method of Assembly	From (ft.) To (ft.)	giewel.	4 Clay	1/6	90
6 Std Black	Surface 105	gravel	<i>, , , , , , , , , , , , , , , , , , , </i>	90	///
P 280					
1. )- 00 1.1 0					
wall, well	L				
JTS , A-53					
, "	1000	10. TYPE OF DRILLING		<del>,</del>	
6 55 Screen	108 111,000	. —	Refary-hammer W/drilling	I —	ting with
8. GROUT OR OTHER SEALING MATERI	1 / 1	Cable Tool Rotary-air	mud & air Rotary-hammer	i	Air
Kind	From (ft.) To (ft.)	w/drilling mud	□ & air		Water
mud cutturas	Surface	Rotary-w/drilling mud	Reverse Rotary		
7		Well construction complete	don Sept	t 10	181
11. MISCELLANEOUS DATA	IK	/-		above final g	zade
Yield Test:	Hrs. at 15 GPM	Well is terminated	inches 🗆	below	
Depth from surface to normal water le	evel <u>45</u> Ft.	Well disinfected upon comp	letion 🖸	Yes 🗆 No	
Depth of water level 84 Ft.	Stabilized Yes No	Well sealed watertight upon	completion 2	Yes No	
m		Jaborato	1		19 8/
er opinion concerning other pollution has	zards, information concerning diffi	iculties encountered, and dat			, method of
runishing the well, amount of cement used in	grouting, biasting, etc., should be	given on reverse side.			

There is a state of the fire

Business Name and Complete Mailing Address ROUTE 2

RANDOLPH. WISCONSIN 53958

#### State of Wisconsin Department of Natural Resources Box 7921 Madison, Wisconsin 53707

#### NOTE:

Division's Copy Duller's Copy Owner's Copy

White Copy Green Copy Yellow Copy

FEB 1 2 1979

WELL CONSTRUCTOR'S REPORT Form 3300-15 Rev 12-7'68

1. <b>C</b> O	CNTY			h .	CHECK (✓					Zim	71	•		
	·	<i>₩_८\</i> 3 Se	ection	Section C	Township	Range	illage 3. N	SAML	City 区 OWN	ER TA	GENT AT 1			CHECK (A) ONE
2. w	CATION		1/1	W/ 8	YION	1 7E		_ (4	lles	<u>-</u>	Juri	ne	ken	TON IN ONE
OR	– G	rid or S	ifest No	treet Name			F	ADDRES	0.	/,	6	,		
AN	D - 10	availab	e subdiv	ision name. lo	t & block No.			POST OI		con	e xx	<u> </u>		
									$\mathcal{L}$	w	rima	ر <u>نە</u>	Ulis	
	ance in			Building !	Sanitary Bldg. Di		y Bldg			oor Drai				Storm Bldg, Sewei
	earest: ver in ap	(Rec propria		100	254 0	ther C.I.	1	Other	LIA	wer jOth	er Sewer	C.I.	Other	C.I. Other
	t Sewer	Oth	er Sewer	s Foundation	Drain Connecte			Cleary	vater S	ptic Ho	Iding Sewa	ge Abso	rption Unit	<u>i</u> _
San,	Storm	C.I.	Other	Sewer Clearwater	Sewage Sump Clearwater		ther		7	سوود	эссы	ige Pit ige Bed	90.	<i>U</i> -
Privy	Pet	Pit: N	lonconfo	Dr. orming Existing	Sump	<u> </u>	Barn	Animal	Animal	Silo	Glass Line	ge Tren	Earthen Sila	ioe
	Waste Pit	Well			Nonconform		Gutter		Yard	With Pi	t Storage Facility	w/o Pit	Storage Tree	nch Or
		Pump			<b>-</b>		İ		!	!	!	1	<u> </u>	
Tempo Manuri Stack		Watert Liquid Tank	ight Manure	Solid Manure Storage Structure	Gasoline or '	Waste Pond or Disposal Unit (Specify Type)		Other (	Give Desc	ription)				
JIOCK				Structure	CII Tank	(Specify Type)	'							
5. Wel	is inten	ded to	supply w	ater for:	, [		9.	FORMA	TIONS					
6 DP	ILLHOI	F		/	Vone		4	Λ		Kind	10		From (ft.)	To (ft.)
			To (fi	t.) Dia. (in.)	From (ft.)	To (ft.)		رگھ	ا اس	+/1	Laci		Surface	18
1,			1	7					D'est	D	1		10	122
40	S	urface	سر			!	+		and		718		18	1/30
6	2	0	171	6		·			Su	ely	Les .	لاب	130	168
7. CA	SING, L	INER, (	URBING Veight, S	G AND SCREI	EN				P	1	0		100	10/
Dia. (i	n.)	& Met	hod of A	Assembly	From (ft.)	To (ft.)	+		\1	ran	e×		1 10 8	116
6"		w	Um	Delpsi	Surface	173								
10	و لر	<u>u</u>	1+	7. 0				,						
<u> </u>	7 (	yei	17		10	<del>-</del>	+-							<u>:</u>
457	THIH	53		Sumit	ma /w	nb.	4	,						
3	X	).r	hu	m 1	1:0	1 lako	ر لہ							1
<u> </u>	4	O.	<u>مر ر</u>		1715	191	10.	TYPE	OF DRIL	LING MA	ACHINE US	ED	<u> </u>	<del></del>
لتد	all/e	4	15	Wit	1/3	1/6	_	<b>.to</b> /'		,	Rotary-l w/drillin	og .	-	letting with
გ. GR	OUT OF		R SEAL	ING MATERI	AL From (ft.)	To (ft.)	1	R	obie Tool otary-air		i mud & a Rotary-l		}	letting with  Air
<u></u>	) 1	10 6	) <i>F</i>	<del>/ .</del>	1 Iom (it.)	10 (11.)	7	<b>└</b> ₩/	/drilling m otary-w/di	rillina	& air			Water
H	ril	XC	ull	ings	Surface	20	_		ud		Reverse	Rotary		
•				<b>/</b>			w.	il constra	action con	npleted a	$_{n}$ $\mathcal{U}$	ug	23	19.78
11.	MISCE	LLAN	EOUS	DATA	<del></del>	4	<del> </del>	_ ~,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			··· <del></del>	<b>6</b>	above	
	Yield T	est:		18_	Hrs. at	25_GPM	1 We	ll is term	inated	10	inches		below	i grade
	Depth !	irom su	face to 1	normal water k	evel	0 Ft.	Wel	l disinfec	ted upon	complet	ion	Z.	Yes 🗆 No	
	•	of water pumpin	4	60 Ft.	Stabilized	Ճ. Yes □ i	No Wel	I sealed v	vatertight	ироп со	mpletion	図	Yes 🗆 No	
	Water s	ample s	ent to		M	diso			la	boratory	on $\mathcal{A}$	ug	-24	19 78
Your finish	opinion ng the v	concern veil, am	ing othe	r pollution has cement used in	ards, informatio grouting, blastir	n concerning d ng, etc., should	ifficult be give	ies encou	intered, ar erse side.	nd data r	elating to no	arby we	ells, screens, se	als, method of
Signati	"50 X	7/		2 1 1		<del></del>	Co	mplete M	Iail Addre	şs		7		· ,
$\rightarrow$	G	ter	ne!	Helse	Registere	d Well Driller	2	145	5 Ha	uk	. an		Luisi	e Det

State of Wisconsin
Department of Natural Resources
Private Water Supply
Box 7921

NOTE:

WELL CONSTRUCTOR'S REPOR 69
Form 3300, 15 Rev. 2-7

Private Water Supply Box 7921	White Copy Green Copy	- Driller's Copy	orm 3300 15 Rev. 2-7
Madison, Wisconsin 53707  OUNTY	Yellow Copy  CHECK (✓) ONE:	Owner's Copy	FEB 1 150"
SAUK	▼ Town □ Vil	Name lage City ME/1	RIMACI
2. LOCATION SF 14 12 NW 14	Section Township Range  1 10N 7E.	3. NAME OWNER AGE	NT AT TIME OF DRILLING CHECK (A) ONE
OR - Grid or Street No. Street or Ro		ADDRESS ADDRESS	3864
AND - If available subdivision name, lot	& block No	POST OFFICE	'S BAY
^	JUB.	TOST OFFICE	Zir CODE
4. Distance in feet from well Building Sa	anitary Bldg, Drain Sanitary	Bldg. Sewer   Floor Drain Quantities To:	Storm Bldg, Drain Storm Bldg, Sewe
to nearest: (Record answer in appropriate block)	C.I. Other C.I.	Other C.I Sewer Other S	ewer C.I. Other C.I. Other
Street Sewer Other Sewers Foundation to San. Storm C.I. Other Sewer	Sewage C.I. Ot		9 Sewage Absorption Unit Manure Hopper or Seepage Pit Retention or
Clearwater Dr.	Sump Clearwater Sump	not in	Seepage Prench
Privy Pet Pit: Nonconforming Existing Waste	Subsurface Pumproom	utter. Barn 🖋 Yard   With Pit S	lass Lined Silo Earthen Silage Earthen torage w/o Storage Trench Manure Basin
Pit Well Pump	140ncomorning Existing	Pen	icility Pit Or Pit
Tank Temporary Manure   Watertight Liquid   Manus   Stack or Platform   Manure Tank or   Press			Other (Describe)
Basin Pipe			
5. Well is intended to supply water for:	~~=	9. FORMATIONS	
6. DRILLHOLE	OME	Kind	From (ft.) To (ft.)
	From (ft.) To (ft.)	COARSE SAND	+6-RAUEL Surface 85
6 Surface 85			
CASING, LINER, CURBING AND SCREE	<u> </u> N		
CASING, LINER, CURBING AND SCREE Material, Weight, Specification Dia. (in.) Mfg. & Method of Assembly	From (ft.) To (ft.)		
6 P.E. NEW PRE	Surface 82	1	
		į	
ASTM 4-120			
18.9) 185 AL	Opi		
VALLEY STEEL PIRE		1 1	
	82 85	10. TYPE OF DRILLING MACH	— — — ·
8. GROUT OR OTHER SEALING MATERIA			Rotary-hammer w/drilling
Kind	From (ft.) To (ft.)	Rotary-air w/drilling mud	Rotary-hammer Air
NONE	Surface	Rotary-w/drilling	Reverse Rotary Water
		34.4	7-17/ 1083
11. MISCELLANEOUS DATA		Well construction completed on _	above
Yield Test:	Hrs. at 20 GPM	Well is terminated	inches below final grade
Depth from surface to normal water lev	vel <u>20</u> Ft.	Well disinfected upon completion	Ø Yes □ No
Depth of water level SS Ft.	Stabilized 🔯 Yes 🗀 No	Well sealed watertight upon compl	etion 🔯 Yes 🗆 No
Water sample sent to	L. H.	laboratory on	8 8- 87
•	uds, information concerning dif	ficulties encountered, and data relati	ing to nearby wells, screens, seals, method of
<u>C'</u>		Business Name and Complete Mail	ing dress the
Signature Long	Registered Well Driller	The state of the	211/1 53815

1. COUNTY

OR

755

LOCATION

to nearest:

Street Sewer

Pet

Temporary Manure Stack or Platform

6. DRILLHOLE

Dia. (in.)

Signature

block)

4. Distance in feet from well

answer in appropriate

Storm | C.I.

Well Pump Tank

5. Well is intended to supply water for:

/Record

Otner

Building

Sewer

Pit: Nonconforming Existing

Watertight Liquid Manure Tank or Basin

LINER, CURBING AND SCREEN Material, Weight, Specification

Method of Assembly

Wlah

Clearwater Dr.

Manure Pressure Pipe

WELL CONSTRUCTOR'S REPOR NOTE: Lorm +300-15 White Copy Division's Copy Rev. 2-Green Copy Yellow Copy Driller's Copy Owner's Copy CHECK 145 ONE: Village City X Town Township Ranger OWNER AGENT AT TIME OF DRILLING CHECK () ON Section 3. NAME Dairy-A POS - Grid or Street No. | Street or Road Name **ADDRESS** ZIP CODE POST OFFICE AND - If available subdivision name, lot & block No. Sanitary Bldg. Drain Storm Bldg. Drain Sanitary Bldg, Sewer | Storm Bldg, Sew c.i. 32 Other C.I. Other Other Othe Other Sewers | Foundation Drain Connected to | Sewage Sump Holding Sewage Absorption Unit Manure Hopper or Retention or Private Tank Septic Tank Clearwater Other Sump C.I. Sewage 401 Sump Seepage Bed Clearwater Sump Seepage Trench Barn Animal Animal Silo Glass Lined Silo Sutter Barn Pen Yard With Pit Storage W/o Pit | Earthen Silage | Earthen | Storage Trench Manure Basin | Or Pit Subsurface Pumproom Nonconforming Existing Waste Pond or Land |Disposal Unit (Specify Type) Manure Storage Basin Concrete Floor Only Other (Describe) Subsurface Gasoline or Oil Tank Concrete Floor and Partial Concrete Walls 9. FORMATIONS From (ft.) To (ft.) Kind Dia. (in.) From (tt.) To (ft.) Dia. (in.) From (ft.) To (ft.) Surface From (ft.) To (ft.) 256 Surface

Business Name and Complete Mailing Address. 245 Yark Clive Flavrie Del Law

	\							
				10. TYPE OF DRILLING M	Rotary-hamm	er	_	
. GROU	OR OTHER SEALING MATERIA	L		Cable Tool	mud & air	[	Jetti	ng with
	Kind	From (ft.)	To (ft.)	Rotary-air w/dritting mud	Rotary-hamm	er		Air
Llzi	ll Cutting	Surface	15	Rotary-w/drilling mud	Reverse Rota	·y		Water
	( coccords			Well construction completed	on Oct	2/		1980
	SCELLANEOUS DATA	Hrs. at 2	O GPM	Well is terminated	inches	above below	final gra	de
	pth from surface to normal water le	vel9	Ft.	Well disinfected upon comple	etion 🖄	Yes 🗆	No	
	pth of water level 90 Ft.	Stabilized [	Ži Yes ,□ No	Well sealed watertight upon o	completion 🗸	Yes 🗆	No	
	ter sample sent to	Mad	eson	laborator		22		_19 <u>8c</u> 1
Your opin	nion concerning other pollution haze	erds, information	n concerning diff g. etc., should be	iculties encountered, and data given on reverse side.	relating to nearby	weils, screer	is, seals, i	nethod of

Registered Well Driller

#### NOTE:

White Copy Green Copy Yellow Copy Division's Copy Drifler's Copy Owner's Copy WELL CONSTRUCTOR'S REPORT 71
Form 3300-15 Rev. 2-7

7 197

Madison, Wisconsin 53707	Yellov	c Copy	Owner's Co	oby		~ 65	ଟ ଓଡ଼ି	·•
DUNTY DUNTY	CHECK (1) ONE:	`Villa	_	7 2 22	me Za A A			
La Section of Gov't. Lat	Section Township	Range 3		City /	AGENT AT	TIME OF DR	ILLING CH	ECK (A) ONE
OR - Grid or Street No. : Street or Ro	8 10N	1/8	ADDRESS	Hus	nkeit	<u>,                                    </u>		
			ADDRESS		RR	^		
AND - If available subdivision name, lot	& block No.		POST OF	FICE Mex	ind	2 - Z	IP CODE	
4. Distance in feet from well Building S	anitary Bldg. Drain	Sanitary B	ldg. Sewer	Floor Dr Connected	rain d To:	Storm Bldg. C	Orain St	orm Bidg, Sewe
to nearest: (Record answer in appropriate block)	454 Other	50 K	Other	C.I. Sewer 10	ther Sewer	C.I. 0	ther C.	), Other
Street Sewer   Other Sewers   Foundation	Sewage C	ewage bum			Tant	age Absorptio	Rete	ntion or
San. Storm C.I. Other Sewer  Clearwater Dr.	Sump Clearwater Sump			751	Seep	age Bed /O		matic Tank
Privy Pet Waste Pit Nonconforming Existing	Subsurface Pumproo Nonconforming Exis		rn Animal tter Barn	Animal Silo Vard With	Glass Lin Pit Storage	ed Silo Ei	arthen Silage lorage Trench	Earthen Manure Basin
Pump (Tank	†		Pen	!	Facility	Pit O	r Piť	1
Femporary Manure Watertight Liquid Man Stack or Platform Manure Tank or Pres	sure Gasoline or Dis	ste Pond or posal Unit	Cor	oure Storage Ba		Other (Descri	be)	<del></del>
Basin Pipe	Oil Tank (S	pecify Typ	Con	icrete Floor an	d			
. Well is intended to supply water for:	am s		9. FORMAT	TIONS Kind	-	F-/	om (ft.)	To (ft.)
5. DRILLHOLE	,,,,		0	<u>Naid</u>	60	110	Sili (1 c.)	10(11.)
Dia. (in.) From (tt.) To (ft.) Dia. (in.)	From (ft.) To	(ft.)	-5	enelte	lay	Sur	face	/3
Surface 20				At.	Line	el /	5	125
20 243			S	amel		1	25	175
ASING, LINER, CURBING AND SCREE Material, Weight, Specification	N		P	0 (2	200		سردر	9110
Dia. (in.) Mfg. & Method of Assembly		(ft.)		and for	or is		/3	<b>647</b> 0
6" Newstond Velyston	Surface 3	40			<del></del>			<del></del>
Sumitar Mital.			/		<del></del>			
A53						į	İ	
			10. <b>TYPE O</b>	F DRILLING	MACHINE U	SED		
GROUP OR OFFICE OF ALVES WATER VA			<b>(</b> ▼) Cab			hammer ng	l 🗆 Jet	ting with
Kind	1 7	(ft.)	Rot	ary-air Irilling mud	1	-hammer		Air
Hill att	Surface J	0	•	ary-w/drilling		e Rotary		Water
- many					(	Hu 2	7	1982
11. MISCELLANEOUS DATA	24-	-	Well construc	tion completed	on	abov	ve final g	
Yield Test:/	Hrs. at 23	GPM	Well is termin	ated _/?	inches	□ belo	A THE B	
Depth from surface to normal water le	vel <u>45</u>	Ft.	Well disinfect	ed upon compl	etion	⊠ Yes	□ No	
Depth of water level 60 Ft.	Stabilized 💢 Yes	□ N₀	Well sealed wa	tertight upon	completion	🔼 Yes	□ No	
Water sample sent to	May	lips-	<del>7</del> U	laborato		Qu 2	8	19 <u>82</u>
opinion concerning other pollution haza hing the well, amount of cement used in	urds, information conce grouting, blasting, etc.,	rning diffic should be g	culties encoun given on rever	tered, and data se side.	relating to	earby wells, s	creens, seals.	, method of
ignature // O/ /	1		Business Nam	and Complet	e Mailing Ad	19°	. 1	1
To Verne Holset	Registered Well D	riller	245 F	aik i	the b	ini	e Die.	yac

# WELL CONSTRUCTION REPORT WISCONSIN STATE BOARD OF HEALTH WELL CONSTRUCTION DIVISION

+R JAN 8 1844

Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board. Owner Badger Ordnance Torks Tract No Driller Geo Reynolds... Tract No 25-1 Post Office Portage ..... Post Office Baraboo Vis LOCATION OF PREMISES The square below represents a section of land divided into 40 acre tracts. Mark the position Merrimac of the premises in the section. County Sec. No. . . . . . Describe further by subdivision, plat, district, lake, lot. block, nearest principal highway, etc., whichever apply. DIAGRAM OF PREMISES See Well Construction Report bulletin. In making the diagram in the space below consider 10 ft. as the distance between line Be sure to indicate NORTH.

Additional copies of this form may be obtained in lots of 12 for 25c. Send remittance with order to State Board of Health, Well Construction

Division, Medison, Wis.

### WELL LOG and REPORT

For method of making report, refer to bulletin entitled "Well Construction Report," 7-5-39. Accuracy is essential.

this column indicate the kind of the g, liner, shoe and other accessories used.	Use a rec or liner pi	LL DIAGRAM i line to show pe. Use black fo or borehole.	casing or drill	In this column state the kir i of formations penetrated, their thickness in feet and if water bearing.	Record of FINAL Pumping test
	Inches 2 3 4 5 6	Diameter S 10121416	Deptl		Danation of Assa
Cased to 171 ft				0 to 20 ft Sand & Gra	Hours 2
with 6 inch Well				with a little	
Drillers Spec			25	Clay	Pumping rate G.P.M. 15.
with Forged Steel			 	20 to 80 ft Savey San	Depth of pump in
Drive Shoe				Gravel Mixed & a litt	Levell. Ft. 93
		*	50	Clay - Water at 50 ft	Standing water-level (from surface)
				80 to 165 ft River	rt. 51
				Sand with a little	
			75	fine Gravel	Water-level when 66 pumping Ft.
				165 tol71 Gravel	
			100		Water. End of test. Clear_Clear_ Cloudy. Turbid
			150		Was the well sterilised? Yes.YesNo
• ·• ·• · · · · · · · · · · · · · · · ·		og verses and	200	• .	To which laboratory was sample sent?  Madison  Date 12/7/43
			400		Was the well scaled on completion? Yes Yes No.
					How high did you leave the cacing-pipe above grade?
			800		-10-inches
			300		Well was completed Date 12/7/43
	Draw the	diagram to show ster and right sect well only.	1200 w the		Well Constructor Geo Reynolds Signature

## WELL CONSTRUCTION REPORT

WISCONSIN STATE BOARD OF HEALTH

JAN

1044

WELL CONSTRUCTION DIVISION

Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided

Owner sadger Ordna	nce Torks	Driller Geo F	Driller Geo Reynolds							
Street or RFD Trac	t No 8-1	Post OfficePo	Post Office. Portage Vis							
Post Office Baraboo	Vis	Date_1/5/44	Pe	rmit No.						
Sauk	Mam	OF PREMISES	The square below repr	esents a section of land acts. Mark the position						
County	weir	Town	of the premises in the a	ection.						
block, nearest princip	ubdivicion, plat, district, lake, lot		*	Sec. No. 5  Twp. North 10-11  Range 16, 7						
		M OF PREMISES in the space below conside	7 10 ft. as the distance bet	TION R7E,						
N [	BARN YARD)	NELL								
	Hoo	USE a Toil	FΓ							
				·						
Jown Bool		J-	t, W. 78							
· · · · · · · · · · · · · · · · · · ·		. ,								

## WELL LOG and REPORT

For method of making report, refer to bulletin entitled "Well Construction Report," 7-5-39. Accuracy is essential.

column indicate the kind c, liner, shoe and other accessories used.	WELL DIAGRAM Use a red line to show or liner pipe. Use black fo or borchole.	casing	In this column state the kind of formations penetrated, their thickness in feet and if water bearing.	Record of FINAL Pumping test		
	Inches Diameter 2 3 4 5 6 S 10121416	Depti		Duration of test		
Cased to 187 ft			Oto 5 ft Top Soil	Hours 2		
vith 6 inch Well			5 to 20 ft Sand	Powerton		
^ŋ rillers Spec		25	20 to 30 " Sand & Gra	Pumping rate Vel.M. 15		
with a Forged Stee	<u> </u>		30 " 35 " Savey Sand	Depth of pump in		
)rive Shoe		ļ	and Stone	well. Ft. 120		
		50	35 " 70 " Sand Hardpar	Standing water-level		
			sone Stone	Ft. 78		
		75	Water at 78 ft	Water-level when pumping Pt. 86		
			70 to 100 Sand & Grave	1		
			Some Bolders	Water. End of test. Clear_Clear_		
		100	100 to 175 River Sand	CloudyTurbid		
			a little Gravel			
			175 to 185 Sand	Was the well sterilised?		
		150	185 to 187 Gravel	Yes Yes No		
		200		To which laboratory was sample sent?  Madison  Date 12/15/43		
				Was the well sealed on completion? Yes. Yes		
		400				
				How high did you leave the casing-pipe above grade?		
		800		B.inches		
				Well was completed Date 12/15/43		
	Draw the diagram to shot full diameter and right sect well only.			Well Constructor Geo R€ynolds Signature		

MELL CON	<b>STRUCTOR</b>	'S REPORT	•	WISCONSIN STATE BOARD OF HEALTH						<i>T</i>		
I. COUNTY	1						NAME	444	ALL CHIVED			
2 16CATO	N (Number a)	od Street or 1	section, se	Town	☐ Villa	Ge Ci	<u> </u>	1/60,00	1 1 1 C	when available.)		
	, NE, SE	1 .	ا مارسان المارسان المارسان المارسان المارسان المارسان المارسان المارسان المارسان المارسان المارسان المارسان ا المارسان المارسان المارسان المارسان المارسان المارسان المارسان المارسان المارسان المارسان المارسان المارسان ال		770	\\\.\.\.\.\.	<i>i i i i i i i i i i</i>	7 /	IOCE DUMDES	when sample.)	1 23	1935
	AT TIME OF		1/1/2		<del>`</del>	1	2 /	<del></del>	· · · · · · · · · · · · · · · · · · ·	S.	ert er	
4. OWNER'S	S COMPLETE	MAIL ADD	1/il	<u>e</u> 7	1111	<u> </u>	re de	Consa		, M		, s
				Mei	1.1.12	ريدي	. 111	12		•	بمعتبيه	
5. Distance	e in feet fro	om well to	nearest:	BUILDING SAI	NITARY SE	WER FLOOR	DRAIN SE	FOUND WER CONNE	ATION DRAI			TER DRA
(Record a	nswer in appr	opriate block)		40						م م	•	******
	TER DRAIN	SEPTIC TAN	K PRIVY	SEEPAGE PIT	ABSORP	TION FIELD	BARN	SILO A	BANDONED	MELT SINK HO	OLE	<del></del>
C. I.	TILE	60		75			100		300			
OTHER POL	LUTION SOL	JRCES (Give	description	such as dump,	quarry, dr	sinage well,	,,,,	d, lake, etc.)	<del></del>			
								ومنسعون	<i>;</i> " 			
6. Well is	intended	to supply	water fo	r: 7,	(-72(-)	_	$\overline{}$					•
7. DRILLHO	OLE			1 11-	C-75C.	10 50	つい RMATION	<u></u>				
Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)	10. 10		ind		From	(ft.)	To (ft.)
/	Surface	95			1	1	7.	.1		Surf	ace	/
-6-		12		_			Je sa	<u> </u>			,	<u> </u>
	<u> </u>	<u> </u>	<u> </u>				and !	Gravel	Clay	6		70
	S, LINER, C				1 - 400		le de	lu	0	1	x	95
Die. (in.)	1 1	Kind and Weigl	2 12	From (ft.)	To (ft.)		avaa	- Juan	<u> </u>	— <del>                                     </del>	-	
_6	+1a	rid 15	ock,	Surface	(15)							
											l	
		··			<u> </u>	_				<del></del>		
				_								
											ł	
		<del></del>			<u> </u>			<del></del>				
					<u> </u>							
9. GROUT	OR OTHE	R SEALING nd	MATERI	AL From (ft.)	To (ft.)							
				Surface	10 (11.7)					·		
			···	- Oorrace				-				
						Well c	onstructio	on complet	ed on	no 9		1965
	LLANEOUS	DATA		-ر ر		347-11 :	terminat			<b>⊠</b> abov		
Yield test:		Δ	Hrs	. at /5	GP	M Well 13			<u> </u>	belo	w '''	nal grac
Depth from	m surface t	o normal v	water lev	el 27	' 1	t. Well d	lisinfected	d upon co	mpletion	Ç	3(Yes	□ <b>'</b> ''>
			•	77		. Well s	ealed wa	stertight up	on comple	etion N	₫ Yes	
	water level	10.	iping	7/	1	h.   Well s	<del></del>		···	7 ,		
Water san	npie sent t	· ) /L	adi	21-11				labora	tory on:	ted 1	7	1916
Your opin	ion concer	ning other	pollutio	n hazards, i	nformatio	on concern	ing diffi	culties enc	ountered,	and data rel	ating	to nearby
wells, scre	eens, seals	, type of	casing jo		d of fini	ishing the	well, am			d in grouting		
		access hill	, eic., si	iooid be giv	J., OII 16							
SIGNATURE						COMPI	ETE MAIL	ADDRESS				<u> </u>
La 11	2000-	Thele	ek	Registered V	Vell Drill	er   2 4	15 F	achi	Use	1/si		Ju 🗖
A THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE				Please	do not	write in			<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	1 / 6000		7. 51.
COLLFORM '	test resul	r		GAS — 24 HRS		GAS - 48 HI	s.	CONFIRME	D	REMARKS		<del></del>
				Ţ				1				

#### NOTE:

White Copy
Green Copy
Yellow Copy
Yellow Copy

- Division's Copy
Driller's Copy
Owner's Copy

WELL CONSTRUCTOR'S REPORT Form 3300-15 Rev. 12-76

Box 7921 Madison, Wisconsin 53707

FEB 1 2 1979

UNT	Y			CHECK (4	ONE:				Name <				
	da	ul		K Town		Village		City	<u> </u>	new	rer	xal	
	% Secuo	n Se	ction	Township	Range	ا 3. ا	KAME 🔀	OWNER	AGEN	AT TIM	E OF D	RILLING C	HECK (A) ONE
OR -	ON/////Cit	SWI	reet Name	_: <i>[0]</i> \	1:11		DODECC	Dan	e I	url	el	<u>L</u>	
OK -	- Grid of Street	NOV JSU	icet Nami	:		'	ADDRESS	Pt	,				
AND -	- If available su	bdivision	name, lo	& block No.			OST OFF	ICE				<del></del>	
						l		Yhe	res	ma	, , ,	Ilis	
	in feet from we	II Bui	lding   S	anitary Bldg. Di	rain Sani	itary Bldg	. Sewer	Floor Connec	Drain cted To:	Storn	n Bidg.	Drain :	Storm Bldg, Sewer
to neare answer i	st: (Record in appropriate	8	D :	Simple of	ther C.	411	Other	C.I. Sewer	Other Se	c.i.	. [ '	Other	C.I. Other
Street Sev	wer   Other Se	wers Fo	undation	Drain Connecte	d to: Sewag	e Sump	Clearwa	ter: Septic	Holding	Sewage A	bsornti	on Unit	
San. Sto	orm C.I. Oth		ewer	Sewage Sump	C.I.	Other	Sump	fank	Tank	Sewage A	Pit		
1		00	learwater r.	Clearwater Sump			1	60	4	Seepage 8		7	ft
Privy Per	t Pit: Nonce	onformin	g Existing	Subsurface P		Barn		Animal Si	lo Gla	ass Lined	Silo E	arthen Sila	ge Och Or
Pit	Pump			Nonconform	ing Existing	Suite.	Pen	13.0	Fa	cility	w/o S Pit S	torage Tres	ich Of
	Tank											•	
, emporary Manure Stack	/ Watertight Liquid Man Tank	ure! Sto	d Manure rage ucture	Gasoline or	Waste Pond	it	Other (Gi	ve Descript	tion)				
Stack	lank		cture	Oil Tank	(Specify Ty	pe)							
Well is i	ntended to supp	ly water	for:	11		9.	FORMAT	IONS				<del></del>	<del></del>
				Home				Kin	ıd		F	om (ft.)	To (ft.)
DRILL							0	0	MA	,			40
Dia. (in.)	From (tt.) To	(ft.)	Dia. (in.)	From (ft.)	To (ft.)		_4	and 7	YUZA	u[	Su	rface	20
10	Surface	20					1		2 .	1		11	122
70	Surface 6			<del>- </del>				gick				<u>~ U</u>	120
	20 1	28 l			į	Į		Us a	<i>لاب</i>		- 1	120	128
ASINO	G, LINER, CUR Material, Weigh	BING AN	D SCREI	EN .				-					1
Dia. (in.)	& Method			From (ft.)	To (ft.)	_							
6"	newsto	nd &	Pen St	Surface	128	•							
7.45	Dec 1	1	100	4									
15	W 1 5 3	. /	/-	D.	+1.						i		1
1.7.1	FIRE		my	1111						· · · · · · · · · · · · · · · · · ·			
<del> </del>				<del>                                     </del>		10.	TYPE OF	DRILLIN	G MACH	INE USED		<del></del>	
				1			<b></b>			totary-hami v/drilling	mer		
. GROUT	OR OTHER SE	EALING	MATERI	1	1	j	Cabi		∩ ال	nud & air		ر ب	etting with
	Kind			From (ft.)	To (ft.)		☐ Rota	ry-air rilling mud		Rotary-ham k air	mer		Air Water
Ms	Il Cu	Mes	-a	Surface	20		Rota	ry-w/drilli	ng 🗀 F	Reverse Rot	ary		
•		•	P	ļ		We	ll construct	ion comple	eted on	de	ı	7	1978
11. MIS	SCELLANEO	US DAT	A		7,-			<del></del>	<del>-</del>		X abo	ve	
Yie	ld Test:		5	Hrs. at	<u> 25 c</u>	PM We	l is termina	ited	<i>ID</i> _i	inches [	bel	ow IIna	grade
Dep	oth from surface	to norm:	al water k	evel	<u>5</u>	t. Wel	l disinfecte	d upon con	npletion	[	Σ Υα	No	
•	oth of water leve	195		Stabilized [	X Yes [	No Wel	i sealed wa	tertight upo	on comple	etion [	DE Ye	s 🗆 No	
	ter sample sent t			M	Alie	~			atory on	De	ı, E	>	19 78
opin	ion concerning o	ther poll	ution haz	ards, informatio grouting, blastin	n concerning	g difficult	ies encount	ered, and d		ng to nearb	y wells,	screens, sea	
	ne well, amount	or cemel	it used iff	Programs, ourself	B, etc., shou								
ignature	9/		1 1	,		Co	mplete Mai	Address			)	•	Á
$\sqrt{a}$	Terne	. H.	else	Registered	d Well Drille	, <u>p</u>	454	all	lu	K	iù	ie A	y day

State of Wisconsin Department of Natural Resources Box 7921 Madison, Wisconsin, 53707

NOTE:

White Copy
Green Copy
Yellow Copy

Division's Copy
Driller's Copy
Owner's Copy

WELL CONSTRUCTOR'S REPORT Form 3300-15 Rev. 12-76

	<del></del>		
1. COUNTY Sauk	CHECK (Z) ONE.  Town Usit	age City Consis	
2. LOCATION VE 1/1 E 1/1 5	Township Range	3. NAME OWNER AGENT AT THE	ME OF DRILLING CHECK (A) ONE
OR - Grid or Street No. Street Name	14 LV 16	ADDRESS	<u></u>
AND If a will bit with division and the	E black No	930 Cambre	elge
AND - If available subdivision name, lot &	X DIOCK NO.	POST OFFICE Cupotal Sal	: Del
/		- Connected 10:	orm Bldg. Drain Storm Bldg. Sew
to nearest: (Record answer in appropriate	C.I. At Other C.I.	Other C.I. Sewer Other Sewer	.i. Other C.i. Other
Street Sewer Other Sewers Foundation	Drain Connected to Sewage Sur		
San. Storm C.I. Other Sewer	Sewage C.I. Oth Sump Clearwater	Seepag	
Privy Pet Pit: Nonconforming Existing		Barn Animal Animal Silo Glass Lined	e Trench Silo   Earthen Silage
Waste   Well   Pump	Nonconforming Existing G	utter Barn Yard With Pit Storage Facility	w/o Storage Trench Or Pit Pit
Tank Temporary Watertight   Solid Manure	Subsurface   Waste Pond or La	na Other (Give Description)	
Manure Liquid Manure Storage Stack Tank Structure	Gasoline or Disposal Unit Carlo (Specify Type)	Other (Give Description)	
5. Well is intended to supply water for:	a-10 -	9. FORMATIONS	
6. DRILLHOLE		Kind	From (ft.) To (ft.)
Dia. (in.) From (tt.) To (ft.) Dia. (in.)	From (ft.) To (ft.)	Sandy Gravel	Surface 30
16 Surface 15		Sand	30 80
6 15 112		Saidy Barret	1 80 112
7. CASING, LINER, CURBING AND SCREET Material, Weight, Specification Dia. (in.)] & Method of Assembly	N   From (ft.)   To (ft.)	. Ser Niderari	
64 New Stars Rot Sta	Z/Surface /09 /	or or other states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the stat	
19.45 rwft Jac.	pper		
Sumitona Metal &	10		
ASTMA53		Istalled from 109-11	12
3 H Johnson St. O.	Soren 158lot	10. TYPE OF DRILLING MACHINE USE	ED Immer
8. GROUT OR OTHER SEALING MATERIA		Cable Tool w/drilling	·
Kind	From (ft.) To (ft.)	Rotary-air Rotary-ha	
Haill Culling	Surface 15	Rotary-w/drilling Reverse R	Rotary
		Well construction completed on	May 26 1979
11. MISCELLANEOUS DATA	グカ	1.1	above final grade
Yield Test:/ 3	Hrs. at GPM	Well is terminated inches	□ below
Depth from surface to normal water lev	el <u>76</u> Ft.	Well disinfected upon completion	✓ Yes   No
Depth of water level When pumping Ft.	Stabilized Yes No	Well sealed watertight upon completion	Ø Yes □ No
Water sample sent to		laboratory on /	Nay 29 1979
Your opinion concerning other pollution haza finishing the well, amount of cement used in g	rds, information concerning diff routing, blasting, etc., should be	iculties encountered, and data relating to nea given on reverse side.	urby Wells, screens, seals, method of
Signature Alel	Registered Well Driller	Complete Mail Address 345 tack auc 4	raine De Law
CAULTINE / TELAL	T Activitation well required.	in the war were y	welle I'm The

## State of Wisconsin Department of Natural Resources Private Water Supply Box 7921 Madison, Wisconsin 53707

NOTE:

WELL CONSTRUCTOR'S REPO' 77

Private Water Supply Box 7921		te Copy en Copy	Division's Cop Driller's Copy		Form 3300	)- 15	Rev 71
Madison, Wisconsin 53707		ow Copy	Owner's Copy				1082
UNTY	CHECK (7) ONE			\Name	r		
ha Section or Glov't. Log	Town Section Townsh	Uilla  ID Range		OWNER A	CENT AT TH	ME OF DRILL	NC CUEON I A TO
2. LOCATION LW/4 dw/4	5 10		Dar	riel :	tura	ME OF DRILLI	NG CHECK (A) ON
OR - Grid or Street No. Street or Ro	ad Name		ADDRESS	0			
AND - If available subdivision name, lot	& block No.		POST OFFIC	E		ZIP, CC	DDF.
			- $n$	resu	mer	, Wi	,
4. Distance in feet from well Building Stonearest: (Record	C.I. Other	<del></del>	Sidg. Sewer	Floor Drai Connected		orm Bldg, Drain	Storm Bidg, Se
answer in appropriate 5	3010	35	Other C	I. Sewer Oth	er sewer C	.I. Other	C.I. Other
	Sewage	Sewage Surr			Iding Sewage		Manure Hopper of Retention or
San. Storm C.I. Other Sewer Clearwater Dr.	Sump Clearwater Sump	İ	1	751	Seepag	e Bed /0/1/	Privematic Tank
Privy Pet Waste Pit: Nonconforming Existing		oom B	arn Animal Ar	nimal Silo ard With Pi	Glass Lined	Silo Earther	n Silage (Earthen Trench Manure Ba
Pit Well Pump 1	! Nonconforming Ex	cisting	Pen	aro   with Pi	t Storage Facility	W/o Storage Plt Or Pit	) i rench Manure Ba
Tank Temporary Manure: Watertight Liquid   Man	ure Subsurface W	Vaste Pond o	r Land Manur	e Storage Basi	0 :0**	ner (Describe)	; :
Stack or Platform Manure Tank or Press	ure   Gasoline or   D	isposal Unit (Specify Typ	Concre	te Floor Only		(Describe)	
5. Well is intended to supply water for:	1	<del> 1</del>		Concrete Wal	ls .		
Frais	lac Hon	ce.	J. PORMATIO	Kind		From (f	t.) To (ft.)
6. DRILLHOLE			0	0	411		1.3
Dia. (in.) From (tt.)   To (ft.)   Dia. (in.)	From (ft.) To	o (ft.)	- Sq	ndg C	lay	Surface	10
Surface /5			- Sur	alt.	Have	110	105
15 112				01	0	12	-111
ASING, LINER, CURBING AND SCREE Material, Weight, Specification	N			June	<b>Y</b>	/09	> 1/2
Material, Weight, Specification Dia. (in.) Mfg. & Method of Assembly		o (ft.)		مهد منابع منابع		:	i i
10 The Datiles	Sunfa		- ***	<del>-</del>		:	
1 0	Surface /	09		<del></del>		<u>'</u>	
10 C. 19.45 per fot			·•			<u> </u>	: 
ASTMAG3 16.	2 h	1-7				:	į
Jakop by state	serve files					i	<del></del>
Deren Installed				<del></del>			
15 slot.	109 1	121	10. TYPE OF I	RILLING MA	ACHINE USE Rotary-ha		
8. GROUT OR OTHER SEALING MATERIA		-	Cable '	T001	w/drilling mud & sir		Jetting with
Kind	1 1	o (ft.)	Rotary w/drill	rair ing mud	☐ Rotary-ha	mmer	Air
Rall Parthisis	Surface /	15	☐ Rotary	r-w/drilling	Reverse R	otary	Water
- Carriage				·	0	1 -	
11. MISCELLANEOUS DATA			Well constructio	n completed o	on Jac	Ly 29	19 80
11. MISCELLANEOUS DATA  Yield Test: ————————————————————————————————————	Hrs. at 20	GPM	Well is terminate	d 10	inches	below	final grade
							N-
Depth from surface to normal water lev	rel	Ft.	Well disinfected	upon completi	ion	Yes 🗆	140
Depth of water level 32 Ft.	Stabilized X Y	es 🗆 No	Well scaled water	tight upon co	mpletion	🛛 Yes 🗆	No
- Water carrels cent to	Ni.	2014	<del></del>	laboratory	on A	1011.31	c) 1980
Water sample sent to opinion concerning other pollution haza	rds, information con-	cerning diffic	culties encounter	ed, and data re		rby wells, screen	
thing the well, amount of cement used in g	routing, blasting, etc	., should be	given on reverse s	ide.			
Signature 2/			Business Name	1	- /	, .	n 1
JA 11. crne-1/2	Alaskered Well	Driller	245 fr	ul a	ne L	ravie	Du Su

## State of Wisconsin. Department of Natural Resources Private Water Supply Box 7921 Madison, Wistonsin 53707

#### NOTE:

WELL CONSTRUCTOR'S REPORTED From 3300-15 Rev. 2 Rev. 2: 7

Private Water Supply Box 7921		White Copy Green Copy	Division's Copy Driller's Copy	form 3	300~15	2 t 1004	78
Madison, Wisconsin 53707		Yellow Copy	Owner's Copy		- VIII	25 1984	
i. COUNTY	CHECK - □SATOW			Name			
he Section of Gov 1.				INER DESIGNATION	-27-1		
2. LOCATION 24-10	14.5	101 TF	3. NAME &OW	NEH LAGENTAT	TIME OF	DRILLING CH	ECK (1) ON
OR - Grid or Street No. Street		/UN/2	ADDRESS	n Caco	141	يد	
<b>√</b> §	SW1/4			RR.			
AND - It available subdivision na	me, lot & block No.		POST OFFICE	n .		ZIP CODE	
				RESTLIN	, معصر	llis	
4. Distance in feet from well Buildin	7 D			Floor Drain onnected To:	Storm Bld	<del></del>	orm Bidg, Se
to newest: (Record answer in appropriate		Other C.I.	Other C.I.S	Sewer Other Sewer	C.1.	Other C.I	). Other
Street Sewer Other Sewers Found	ndation Brain Connec	ted to: Sewage Sun		Septic : Holding   Sev	vane Absorr	tion Linit   Man	ire Honner o
San. Storm C.I. Other Sewe	Sewage	C.I. Oth		Tank Tank -	page Pit	Rete	ntion or matic Tank
Clea	rwater   Clearwat	er			page Bed/	00	
Privy   Pet   Pit: Nonconforming E	Sump Existing : Subsurface	Pumproom B	arn   Animal   Anim	al Silo Glass Li	page Trenci ned : Silo		Earthen
Waste Pit Well		ming Existing G	itter Barn Yard	With Pit Storage Facility	W/o Pit	Earthen Silage Storage Trenct Or Pit	Manure Bas
Pump		i		1		!	
Temporary Manure . Watertight Liquid	d Manure   Subsur	face   Waste Pond o	r Land Manure S	torage Basin	Other (Des	scribe)	<del> </del>
Stack or Platform Manure Tank or Basic	'Pressure   Gasolir	ne or   Disposal Unit	Concrete	Floor Doly Floor and			
1		i		ncréte Walls			
5. Well is intended to supply water for	· V/.		9. FORMATIONS	<i></i>			
	Hom	<u></u>		Kind		From (ft.)	To (ft.)
6. DRILLHOLE			X	le 1	11	1	75
Dia. (in.) From (tt.) To (ft.) Di	a. (in.) From (ft.)	To (ft.)	Dino	Insre! (	Vey	Surface	20
10 Surface 20			Simulation of	I lla		25	120
120290		· · · · · · · · · · · · · · · · · · ·	0	1		130	101
7 CASING LINED CLIDBING AND	COPEN		Sand			1020	115
7. CASING, LINER, CURBING AND Material, Weight, Specifica Dia. (in.) Míg. & Method of Assem	bly From (ft.)	\	18.	On Blan	0	195	24
1 1/ 0	1/	7	- Jane	9/0000	-		- 0. 1
6 Reul Stort Del	Surface	277	Las	d Rock		240	290
10 18th Dt To	C.	\	1	<del>\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ </del>	1		
AIS	20					·	
Wlocoup				<del></del>			
A.F. Sied (Union	7 J. L Sum of	cors			Ì		
THE SECTION	10.000	4-1-1	10 TVDE OF DE	ILLING MACHINE I	ISED		·
1	l		IIILOI DRI	Rotary	/-hammer	ı	
8. GROUT OR OTHER SEALING MA	ATERIAL	<del></del>	Cable Too	ol w/dril	ung Lair	□ Jet	ting with
Kind	From (ft.)	To (ft.)	Rotary-all	r Rotar	y-hammer		Air
10 :10 h -	-		Rotary-w				Water
Desell Culling	Surface	120	mud y	Rever	se Rotary		
7	a l			· · · · · · · · · · · · · · · · · · · ·	1014	13	. 944
MOOPLE ANDOLON . T.			Well construction c	ompleted on	7/	<del>                                     </del>	1987
1). MISCELLANEOUS DATA		25 CPM		12		final @	rade
Yield Test:	Hrs. at —	GPM GPM	Well is terminated	inche	• <u> </u>	elow	
Depth from surface to normal v	water level	80 Ft.	Well disinfected upo	on completion	<b>2</b> 5 1	res 🗆 No	
Depth of water level Q 7				<del></del>			
when pumping	Ft. Stabilized	🔀 Yes 🗆 No	Well sealed watertig	ht upon completion	, V	Yes 🗆 No	
Make a series have a series have		Malle	· .	laboratory on	teat	-14-	1982
Your opinion concerning other pollut	ion hazards informs	tion concerning diff	culties encountered	•	nearby wel	is, screens, seals	, method of
finishing the well, amount of cement	used in grouting, blas	iting, etc., should be	given on reverse side	). 			
Signature			Business Name and	Complete Mailing A	ddyess		a 1
Holler Ho	In the Royale	ored Well Driller	245 Va	Complete Mailing A	Hea	irek	le sta

BELL CONSTRUCTOR'S REPORT Wel-6

408 - 5 4031

RIMENI UF	- NATURAI 0x 450	LRE
	Wisconsin	53701

Wel-6	WHITE GREEN YELLO	COPY - DIV COPY - DR W COPY - O	ISION'S COPY Box 4 ILLER'S COPY Madison, Wist WNER'S COPY	50 consin 5370	1
	Z Town	☐ Village			2
2. DOCATION (Number and Street or ), section, section  White AT TIME OF DRILLING	n, township	nd range. Als	o give subdivision name, lot and block numbers when av	vailable.)	
OWNER'S COMPLETE MAIL ADDRESS	non	, Ken			
RI	) }	Tin	ine du Sac		
5. Distance in feet from well to nearest: BU (Record answer in appropriate block)		adt The	ERIFLOOR DRAIN FOUNDATION DRAIN C. I. TILE SEWER CONNECTED INDEPENDENT  300	T 35/1	TILE
C. I. THE 7.5	EPAGE PIT	ABSORPTIO	ON FIELD BARN SILO ABANDONED WELL	SINK HOLE	·
HER POLLUTION SOURCES (Give description sur	ch as dump,	quarry, drain	age well, stream, pond, lake, etc.)		
Well is intended to supply water for:	4,	ne r	7/		
7. DRILLHOLE		m P	10. FORMATIONS		
)is. (in.) From (ft.) To (ft.) Dis. (in.)	From (ft.)	To (ft.)	Kind	From (ft.)	To (ft.)
6 Surface 275			Sand	Surface	40
			Sand of Grand	40	235
8. CASING, LINER, CURBING, AND SCREEN Dia. (in.) Kind and Weight	from (ft.)	To (ft.)	Sand Rock	237	270
Mr. Stand Bek.	Surface	2.55	Juan Stone	270	225
1600 1945 Harris	•		7		
- Ges					
-					
COOUT OR CTUEN SEALING MATERIAL					
GROUT OR OTHER SEALING MATERIAL	From (ft.)	To (ft.)			
	Surface				
			Well construction completed on act	22	19 <i>7</i> c
11. MISCELLANEOUS DATA  ild test: )2 Hrs. a	20	) GPM		Labove	inal grade
Depth from surface to normal water level	85	ft.	Well di∘infected upon completion	<b>∑</b> Ye	s 🗆 No
I pth to water level when pumping	25	ft.	Well ealed watertight upon completion	⊠. Ye	s   No
Water sample sent to Madin	-1)		laboratory on: Oct	22	19 7C
	s, method	l of finish	concerning difficulties encountered, and ding the well, amount of cement used in garse side.		
URL		· · · · ·	COMPLETE MAIL ADDRESS		
- alern Etelseh Rog	gistered W	/ell_Driller	215 Park are Prair	ie Du	Lyi
COLIFORM TEST RESULT	Please		rrite in space below	275	

STATE OF WISCONSIN DEPARTMENT OF RESOURCE DEVELOPMENT WELL CONSTRUCTOR'S REPORT SUMPT 1. COUNTY CHECK ONE ✓ Town | Village ☐ City LOCATION section, section, township and range. Also give subdivision 3. OWNER AT TIME OF DRILLING 4. OWNER'S COMPLETE MAIL ADDRES SANITARY SEWERIFLOOR DRAIN 5. Distance in feet from well to nearest: FOUNDATION DRAIN WASTE WATER DRA C. I. | TILE SEWER CONNECTED INDEPENDENT C. I._ TILE C. I. (Record answer in appropriate block) 20 15 ABSORPTION FIELD CLEAR WATER DRAIN | SEPTIC TANK | PRIVY | SEEPAGE PIT BARN SILO ABANDONED WELL | SINK HOLE 60 () OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.) 6. Well is intended to supply water for: 7. DRILLHOLE 10. FORMATIONS From (ft.) Dia. (in.) From (ft.) To (ft.) Dia. (in.) To (ft.) Kind From (ft.) To (ft. Surface 8. CASING, LINER, CURBING, AND SCREEN Dia. (in.) Kind and Weight To (ft.) From (ft.) Surface 64 9. GROUT OR OTHER SEALING MATERIAL Kind From (ft.) To (ft.) Surface 1968 Well construction completed on 11. MISCELLANEOUS DATA Well is terminated inches final grad **GPM** Yield test: Hrs. at below Well disinfected upon completion □ ''> **₹**Yes 100 Depth from surface to normal water level ft. Well sealed watertight upon completion XX Yes ☐ No Depth to water level when pumping ft. 196 Water sample sent to laboratory on: Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, significantly seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, significantly seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, significantly seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, significantly seals, significantly seals, and the seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, significantly seals, surface pumprooms, access pits, etc., should be given on reverse side. SIGNATURE Plack Registered Well Driller Please do not write in space below COLIFORM TEST RESULT GAS - 24 HRS. GAS - 48 HRS. CONFIRMED REMARKS

State of Wisconsin
Department of Natural Resources
Private Water Supply
Box 7921
Madison, Wisconsin 53707

NOTE:

WEL	L CONSTRU	CŢ	OI
Form	3300-15		

White Copy Green Copy Yellow Copy Division's Copy
Driller's Copy
Owner's Copy R'S REP Rev

	wisconsin 33				- Owner's C	- P.		<b>14</b>		
UNTY	Jan	n.	CHECK (V)			Nai	me	16		
	14 Section	or Gov't. Lot		wnshipi Range	3. NAME (	_ City Z-OWNER □	AGENT A	TARE	E DRILLING	CHECK (A) ONE
LOCATION	Jail.	X801/4	24	ION 6E	ر. ۴	Pelent	5 XL	n Mile U	FUNICLING	CHECK (A) ONE
OR - G	rid or Street N	lo. Street or	Road Name		ADDRESS	1	79-7	0	,	<del></del>
AND - I	available sub	livision name, l	ot & block No.		POST OF	EICE	. /	<del>,</del>	, ZIP CODE	<del></del> -
					Alra	vie 1	ly So	will	: 53	578
	feet from well	Building	Sanitary Bldg. Dr	<del></del>	Bldg. Sewer	Floor Dr Connected			ldg. Drain	Storm Bldg. Se
to nearest: answer in a block)		811	184	c.i. 23/	4 Other	26ff	<u> </u>		Other	C.I. Other
Street Sewer San. Storm	C.I. Other		on Orain/Connected		mp Clearw ther Sum		Table :	ewage Absorepage Pit		Manure Hopper of Retention or Pnuematic Tank
3101111	C.i. Othe	Clearwate Dr.	Sump Clearwater Sump			601	Se	epage Bed epage Tren	751	riuemant lank
rivy Pet Waste	<del></del>	nforming Existi			Barn Animal Sutter Barn	Animal Silo Yard With		ined Silo	Earthen S	ilage Earthen rench Manure Bas
Pit	Pump	• • • • • • • • • • • • • • • • • • • •	Nonconformi	ing Existing	Pen		Facilit		Or Pit	
emporary Ma	Tank	inha Liquid A	Nanure Subsurfac	ea. ¹Wasta Sans		512.22.8		1000 - 15		
itack or Platfo		Tank or Pi	ressure Gasoline oil Tank	or Disposal Un	it Co	nure Storage Ba ncrete Floor Or ncrete Floor an	ıly	Other (D	escribe)	
Well is inte	nded to supply	water for:			9. FORMA	tial Concrete W	alis	<del>!</del>		
. Well is uite	ided to supply	water ior.	Dome	·	9. FURMA	Kind		. <u>.</u>	From (ft.)	To (ft.)
DRILLHO		(fa) I Dia (ia	)   r (6)	T- (64)	1	0 4	P.	1		65
Dia. (in.) Fr	om (tt.)  To	(ft.) Dia. (in	i.) From (ft.)	To (ft.)	X	1	<u>zrave</u>	<u> </u>	Surface	
D S	urface 2	0				France			15	75
45"	20 7	5					·			
		ING AND SCRI	EEN							
Dia. (in.)	Afg. & Method	of Assembly	From (ft.)	To (ft.)	<u> </u>				<u> </u>	
6" 7	gustan	a Bet Si	Surface	78						
augh	150	120						·		
4.477.	177	- n.+	al A53	<del>                                     </del>					ļ	
	emico	ve IM	4 1133	· ,						
31	Anson	Stains	es Ares	went	eles					
<del>- 13</del>	15 slat	feor	n 72'	75'		F DRILLING				
ا				<u></u>	-l	ble Tool	_ w/dr	ry-hammer illing & air		Jetting with
CDOVE O	D OTHER CE	AT INC MATER	) T A T		I KACA					•
. GROUT O	R OTHER SEA	ALING MATER	RIAL From (ft.)	To (ft.)	li .		Rota	ry-hammer		☐ Air
. GROUT O		ALING MATER	From (ft.)	To (ft.)	□ R°	itary-air drilling mud itary-w/drilling	□ Rota	ry-hammer	-	Air Water
GROUT O		ting mater	1	To (ft.)	☐ <b>₽</b> %	itary-air drilling mud itary-w/drilling	□ Rota	ry-hammer	-	Water
Heril	Kind Carl	ting	From (ft.)		□ Ro	itary-air drilling mud itary-w/drilling	Reve	erse Rotary	15	<u> </u>
Herila 11. MISC	Kind Csull	ting	From (ft.) Surface	30	Well constru	tary-air drilling mud tary-w/drilling id ction completes	Reve	orse Rotary	1.5	Water
Herila 11. MISC Yield	Kind  Csul	Eng.	From (ft.) Surface Hrs. at 2	30 5 GPM	Well is termi	tary-sir drilling mud stary-w/drilling id ction completed	Rota & air	orse Rotary	above fi	19 <u>82</u>
Jerill  11. MISC  Yield  Depth  Depth	Kind  Csull  ELLANEOU  Test:  from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surface to from surf	S DATA o normal water	From (ft.) Surface Hrs. at	3 0 5 GPM	Well constru Well is termi Well disinfec	tary-sir drilling mud stary-w/drilling id ction completed nated	Reve	es 🗆	above fit below	19 <u>82</u> nal grade
Jerill  11. MISC  Yield  Depth  Depth	Kind  Csull  ELLANEOU  Test:  from surface t	Eng.	From (ft.) Surface Hrs. at	30 5 GPM	Well constru Well is termi Well disinfec	tary-sir drilling mud stary-w/drilling id ction completed nated	Reve	es 🗆	above fi	□ Water  19 <u>8 2</u> nal grade

2111

Business Name and Complete Mairing Address

A. d. 11/2

State of Wisconsin
Department of Natural Resources
Private Water Supply
Box 7921
Madison, Wisconsin 53707

#### NOTE:

WELL CONSTRUCTOR'S REPORT Form 3300-15 Rev. 2-79

White Copy – Division's Copy Green Copy – Driller's Copy Yellow Copy – Owner's Copy

JAN 25 1984

-	-	-	_	•	-	
			_	4		
			4			
		1				
-	-	-	4			

1. COL	UNTY		1	K		_	CHECK (V)	ONE	_				٦		lante		1	h ,				
		1 % S	ection o	r Gov'i.	ر ا مرام		Ction  To	wnshi	ا ليا ip، Range	Village	NAME	- DR	City	VNER[		27L		LE OF	<u> </u>	LING CH	ECV /	4.000
2. LO	CATION	de	0///	10°	\\J	ر من		101	1 /	E			202	rte		Y.e.	<u>e A</u>		DAIL	LING CH	IECK (	// ONE
OR	- G	rid or S	treet No	o. Stree	t of R	oad Na	ame			1 '	ADDR	ESS		10	14	. /		$\sigma$				
A DH	D - If	availab	le subdi	ivision pa	me. lo	t & blo	ck Na.			+	POST	OFF	ICE		<u>re</u>	<del>, ,</del>			ZIP	CODE	<del></del>	
2/4	+18	* 14	7	للو	nu	Lu	, the	0-0	ب					T.	ra	u	بعط	Di	×4.	acil	צול	
4. Dist	ance in	eet fro	m weli	Buildi	ng :	Sanitar	y Bidg. Dr	ain	Sanita	ry Blag	. Sew	er		Floor	Drain ted To	):	Sto	m Blo	lg. Drai	in S	orm B	dg. Sc
	earest:	(Red propria		60	<i>/</i> /	C.I.	-6+ OI	her	رامي	1	Othe	r	C.I. :	Sewer	Other	Sewer	c.	۱۰	Othe	er C		Other
Stree	t Sewer	Oth	er Sewe	rs Four	dation	Drain	Connecte	d to	Sewage	A Jump	Cie	arwa	ter	Septic	Hold	ing   Se	wage	Absor	ption (	Jnit Mar	ure Ho	pper i
San.	Storm	C.I.	Other			1 18	ewage ump		C.1.	Otner	ገ '	Sump		Tank	Tan	K Se	epage	Pit		. Ret Pnu	ention ematic	or
				Clea Dr.	rwater	1	learwater sump							601	<u> </u>		epage					
Privy	Pet Waste		Noncon	forming (	xistin		bsurface P			Barn Gutte	r   Bai	rn	A nim Yaro	al Sile	o th Pit	Glass L Storag Facilit	_ined je	Silo W/o Pit	Earti	hen Silag age Trend it	e Earti	hen ure Ba
	Pit	Pump	,			- No	nconform	ing Ex	cisting		Pe	en		i		Facilit	У	Pit	Or Pi	it		
	orary Ma	Tank	14/24/244	SA Liani	d   140-	nure	Subsurfac	114	Vaste Por	27 05 1	<u> </u>	10000		torage	Basia	- JA -	. Oth	er /De	scribe)			
	or Platfo	rm		ant Liqui Tank or		ssure	Gasoline Oil Tank	or ID	isposal (Specify	Unit	8110	Con	crete	Floor	Only	r	]""	e. (De	:3C1 1D6 )	,		
		_				_		İ_						Floor oncrete			<u> </u>					
5. Wel	l is inter	ded to	supply	water for	: ,	1				9.	FOR	MAT	IONS		,det		_				1 _	
					>	100	ne							Kin	<u>ď</u>				From	(ft.)	T	o (ft.)
•	in.) Fro		ITo (	er In	ia. (in.)	l Fr	om (ft.)	T	o (ft.)		97	BI	(بد	: <b>/</b>				- 1	Surfac	œ.	3	?
	<u> </u>	)III (1 t.)	100	1		1	0311 (3417		<del>- (- (.)</del>	_			<i>?</i> }	10	1i		1			~	14	
12	s	urface	2	<u> </u>								ر میرسدو	15		sa	wed				<u> </u>	1	
/	4	<b>~</b>	10	77								0		1					4	75-	1	40
- CA	SING I	C,	CURRI	NC AND	SCRE	ĖN		<u> </u>		_		Sc	all		11					<u>.</u>	-	
Dia. (		iterial,	Weight,	NG AND Specific of Assem	ation blv	l Fr	om (ft.)	. T	o (ft.)		_	L.	A	2	41		L			60	1	7 i
	<u>u., j. r.</u>	ng. œ n	//	α Ω	<u>,                                    </u>	, ,	Om (st.)	,	A 1	,			2		0		<u>-</u>			· _	1	<u>~</u>
6		WX	Hord	o oe	ste	Z	urface	$\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$	87	-	-fe		220	me	4_		- <del></del>			80	/	<u>z</u>
19	ميركي	. /	1.4	P	412																	
WIOO	ONE A	4.	F. 510	dena	m(	ulion	קובים	Sun	LOYD	2												
3	1	An	Sons	Hair	tins		84	1/	87												<u> </u>	
The	rees	v	151	ali	4				-													
						╁		┼		10	TV	DE O	F DP	ILLIN	G MA	CHINE	USF				J	
	- {														_		ry-hai rilling i & air		ş	_		
8. GF	ROUT O	R OTH	ER SEA	LING M	ATER	IAL					42	Cab			-					ەد 🗀	itting w	
			Lind				rom (ft.)	1	ro (ft.)	_		Rot W/d	lary-a Irillin	ir 9 mud		□ Rota	ary-ha r	mmer		ב	] Ai	r ater
$\sim$	Vi. l	10/	1. 7	J. J =-		S	Surface	15	IV	}		Rot	tary-v d	v/drilli	ng	Rev	erse R	otary		_		a ta.
	- 4/	4	-66-4	ale contractions	1										<del></del>		1	T	2	<u>~~</u>		0.5
	1000	DV 7 4 3	VIECT !	0.04.74						<u>∤</u> w	ell cor	ıstruc	tion	comple	eted or	1		<u>ec</u>		<u></u>	19	<u> 23</u>
11.			NEOU	SDATA			. 2	55	~		-M i. 4		hatad		2	incl	h	7	above below	final	grade	
	_Yield_	Cest: _		<del>/-&gt;</del>		Hrs.		_	GF	M M	ell is t	ह्य ११११॥	.e.wu			<u> 414</u>		_ <del></del> _				
	Depth	from s	arface to	o normal	water	level	3	0	Ft	. W	all dist	nfect	ed up	on con	npletic	on		<b>E</b>	Yes [	□ No		
		of wate	r level	30	Ft	. St	abilized	KÓ v	/es 🗆	No W	eli seai	led w	a terti:	ght upo	on con	npletio	n	<b>A</b>	Yes [	⊐ No		
							7	Ta	All	,					atory (		54	V	2-1	~	1	983
Varia	· oninior	~~~	sent to	her pollu	tion h	zards.	information	on cor	ncerning	difficul	ties er	ncoun	tered	, and d	-					eens, sea		
linis	hing the	well, ar	nount o	f cement	used i	n grou	ting, blasti	ng, et	c., shoul	u be giv	en on	Inter										<del></del>
Signa	ture	0/		( بشعر	,	.7	1			B	usines	Nam سبر	10 2/10	Comp	olete M	(ailing	Addpe	(E)	·. ·	- ,	( , , ,	<u> </u>

## WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH See Instructions on Reverse Side

)	1. County Saula	· 		{Town ⊠ Village □	Sump	ters	
	2. Location M.W. 4	of s	5.2.1	City D	Check one an	d give nam	RIL
	· · · · · · · · · · · · · · · · · · ·	Name of a	treet and numi	per of premise or Sec.	Tn. and R. number	TION	2 1
	3. Owner of or Agent The		Name of	individual, partnersh	nip or firm	a de	TAL
	4. Mail Address	arr	Comp	olete address required	بذرارا	0 1 2 B	
	5. From well to nearest: Build	ding	ft; sewe	erOft; drai	nAft; sep	tic tank_	ft;
	dry well or filter bed	_ft; aba	ndoned well.	40_ft.		·	•
	6. Well is intended to supply v	vater for	70	um,			
	7. DRILLHOLE: Dia. (in.) From (ft.)		(it)	10. FORMATIO	INS:	1_	ι _
	8 0		80	<u>K</u>	Ind	From (ft.)	(ft.)
	6 80	28	38	cla	Ly	0	10
				- clay a	1. Chance	10	80
				San	d	80	285
	8. CASING AND LINER PIP	E OR CU	RBING:	gra-	vel luce	1285	288
	Dia. (in.) Kind	From (ft.)	(ft.)			ļ	
)	6 Seanless						
	Steel pipe.	0	288	<u> </u>	·	ļ	<b></b>
						ļ	
						<u> </u>	
	9. GROUT:					<b> </b>	
	Kind	(ft.)	(ft.)			<u> </u>	<del> </del>
	clay	0	80				<del> </del>
							<u> </u>
				<del></del>			
		ļ				<u> </u>	<del></del>
	11. MISCELLANEOUS DATA	_					
	Yield test: S Hrs. a	t	GPM.		f the well was c		
	Depth from surface to water:	10	S. ft.	- may	1 10	/ /	19_2{
	Water-level when pumping:	•		The well is ten	minated T in the perman	ent groun	inches d surface.
				•	lisinfected upon	completi	ion?
	Water sample sent to laborator		,		Yes	_X N	0
	Madison on M	- J-1	ــ 195 ــ ١		ealed watertigh		
1	11/00/1/	0	1 1	n	Yes	Д N	0
	Signature Mell Dr	<i>براس</i> د مواار	nul	15a	ratura Complete Mail A	M	1,0-
	PASTERNAT MAIL TV	14146		1000	Wat	med	CX
				لو-لو <i>ا</i>		21222	

State of Wisconsin
Department of Natural Resources
Private Water Supply
Box 7921
Madison, Wisconsin 53707

1, 11.1

#### NOTE:

White Copy Division's Copy
Driller's Copy
Owner's Copy Green Copy Yellow Copy

WELL CONSTRUCTOR'S RE URT Form 3300-15 Rex. 2-79

JUN 1 2 1981²⁻⁷⁹

17 0-00

											`		ڊران 1					<b>-</b> + -		4	
1. <b>C</b> O	UNTY	5	au	K			i	ECK (√) Town	ONE	:	lage		City	N	ame f	2001	ric	•	Ni	7	
2 10	CATION	1/4 S	ection (	or G	V'I. Lot	<u> </u>	Section		Wnshi ON	Range	3. N	IAME [		ER	AGEN	IT AT TI	ME OI	DRI	HING C	HECK	(A) ON_
OR		id or S	treet N	0.	Street o	r Roa	d Name		<u> </u>		1-	DDRESS	ے <del>ہ اعر</del>	13	<u></u>	<u>~;</u> /	<u> </u>		o_ 1 ~ i	11	
AN	D - If	availab	le subd	ivisio	n name	, lot &	block	No.			P	PQST OF	FICE	313	) [		01 -	ZIP	CODE	<u>_</u>	1111
4. Dis	tance in f	eet fro	77/c		Un uilding		-	Sidg. Dr		Sanitary	Bide		pno		rain ad To:	<u> </u>	orm Bl	<u>ر</u> دو م	535	93	Dide C
to r	earest: wer in ap	(Red	ord	1	$\mathfrak{D}^{i}$	<u> </u>	c.Y.	Oti		C.I.		Other			other Se		3.1.	Oti		C.I.	Other
Stree	t Sewer	Oth	er Sew		Foundat	ion D	rain Co	nnected	tol	Sewage Su	mp	Clearw	ater   Se	ptic	Holding	Sewage	Abso	rotion	Linit! hi	nuze l	Honner
San.	Storm	C.I.	Other	,	Sewer Clearwa Dr.		Sew	age ip irwater			her	7 Sum		ank	Tank	Seepa Seepa	Par Blo	1.4	Re	tentio	n or ic Tank
Privy	Pet Waste		Voncon	form	ing Exis	ting	Subsu	rface Pu	<del></del> -		Barn		Anima Yard	Silo	Pit St	ass Lined		Far	then Sila	ge Ea	rthen Inure Ba
	Pit	Pump Tank				$\equiv$	Nonce	onformi	iy Ex	isting		Pen			Fa	cility	Pit	Or F	Piť		
Tempo Stack	orary Mar or Platfo	nure i	Waterti Manure Basin	ght L Tani	k or !	Manu Pressu Pipe	re Ga	ibsurfactions of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the	r D	aste Pond isposal Un Specify T	it	Co	nure Sto	loor O	nly	Ot	her (D	escribe	•)		
5. Wel	l is inten	ded to	supply	wate	r for:	LI					9.	FORMA'	rtial Con TIONS	crete \	Walls						<del></del>
6 DR	ILLHOL	F				N	٥٨٤	<u>SC</u>			4_			Kind	<del></del> _			Fron	1 (ft.)	-	To (ft.)
	in.) Fro		To (	(ft.)	Dia. (i	in.)	From	(ft.)	To	o (ft.)	$\perp$	مك	щ_					Surfa	æ		<u>5</u> _
8	Su	urface	H	49	ļ					<del></del>		bou	للكا	M.	t g	101	lol		5	5	35
											_	Sou	At.	ġ	(a)	hel			<u>35</u>		HO
7. CA Dia. (	SING, LI Ma in.)  M	NER, terial, fg. & M	CURBI Weight, lethod	NG A Spec of As	ND SCI dication sembly	REEN 1	From	(ft.)	Te	o (ft.)		50	ind	U				l	10	1	89
_6	1	P	=				Surf	ıœ		249	1 × C	sar	44	91	a	rel		19	39	-	ココ
		As	TM	Α	53					A STATE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PAR			111	eg				-	lia	-	249
		.2	80	w	الغ							de	10	bu	tti	m	d				
			7441									بالما	an	M	لعا						
						1					10.	TYPE O	of this	LING	, A	totary-ha	mmer				
8. GR	OUT OR			LIN	G MATE	RIAL					1		bie Tool			Marilling nud & aii	7		_ ı	etting	
			ind			$\dashv$	From	(ft.)	T	o (ft.)	1	سا w/و	tary-air drilling n		ه سا	Rotary-ha Lair	emmer		<u>ַ</u>	=	۹ir Nater
	vin	10	妣	な	ng	<b>\</b>	Surf	ce	2	49	}_	☐ Wa	tary-w/d	rilling	p	Reverse R	otary				
	<del></del>				V			·			Wel	li constru	ction co	mplete	ed on _	Jun		8		1	180
11.	MISCE Yield To		iEous	18 18	TA		irs. at	_ <u>`</u>	30	GPM	Wel	ll is termis	nated _	<u> [</u>	3_	inches		above below	fina	grade	
	Depth f	rom su	rface to	nor	mal wate	er leve	1	135	<u>.                                    </u>	Ft.	Wel	l disinfect	ted upon	comp	letion			Yes [	□ No		
	Depth o	f water pumpir		17	5	Ft.	Stabili	zed [	D Y	N	Wel	l sealed w	ater tight	upon	comple	etion	12	Yes [	□ No		
	Water s	imple s	ent to		Mo	d	141	m					la	borate	ory on		- يا	. 9			19_
Your	opinion o	concerr eli, am	ning oth	er po	ollution ent used	hazarı in gr	is, info	rmation blasting	cond , etc.	erning dif	ficulti e give	es encour n on rever	itered, a	nd dat	a relati	ng to nea	rby we	lls, scr	eens, ses	ls, me	thod of
Signat	<u> </u>	_			, ,			•				iness Nan		omple	te Maili	ing Addre	ess				

 $\cap$ :

#### NOTE:

White Copy
Green Copy
Yellow Copy

- Division's Copy
Driller's Copy
Owner's Copy

WELL CONSTRUCTO STREPOR SE

PANDOLDE WICCONCIN 52055

	YTYU	50	zu.	k		CHECK (			<u>V</u> illage		□ ci		iame	Ras	'א א	10		51	10
		4 S	ection or G	igh't. Lot				nip Rang	_	NAME		WNER [	TAC5N	T AT TI	ME OF	DRILL	ING CH	ECK	(A) ONE
2. LO	CATION		1000	I Sansa au			10	NW	-`-}/		2//		K	un	70	1/	3		
			Street No.	Street or						ADDRE	o K	hil	ly	20					
AN	7-11	availat	e subdivis	ion name,	lot & bl	ock No.	di	na		POST-O	OFFICE	b/	1,4	, 7	it.	ZIP C	ODE 530	5 <i>8</i> -	—— ≈
4. Dist	ance in f	eet fro	m well	Building	Sanita	ry Bldg. C	Orain	Sanit	ary Bid	ig. Sewer		Floor	Prain /	Sto	orm Blo	dg. Drain	St	orm B	Idg. Se
	earest:		cord	$/\supset$	C.I.	.   '	Other	C.I		Other	C.I		Other Se		:	Othe			Other
bloc	ck)			2				<u> </u>	لــــــــــــــــــــــــــــــــــــــ					_ل_	لجبيب				
San.	t Sewer Storm	C.I.	Other	Sewer		n Connect Sewage	ed 101	C.I.	Other		rwater ump	Septic Tank	Tank	Seepag		ption U	Rete	ention	oppero ⊢or : Tank
34.1.	3.0	<u> </u>		Clearwa	ter	Sump Clearwate	r							Seepag			□''''	5111 <b>6</b> (10	, 1 <b>4</b> 11K
Privy	Pet	Pit: 1	Nonconfor	Dr. ming Exist		Sump ubsurface (	Pumpr	oom	Barr			mai Siid	Gia	Seepag	Silo	Earth	en Silage	Eart	hen
	Waste Pit	Well			N/	onconform	ning E	xisting	Gutte	er Barr Pen	Ya	rd Wil	th Pit Sto	or <b>age</b> cility	W/o Pit	Stora Or Pit	ge Trenc	h Man	ure Bas
	ايا	Pump			$\dashv$						1						_	1	
	rary Man or Platfor		Watertight Manure Tai		Manure Pressure	Subsurfa		Waste Po Disposal				Storage • Floor (		Ot	her (De	scribe)			
			Basin		Pipe	Oil Tani		(Specif		' [	Concret	e Floor	nd	$\dashv$					
5. Wel	l is inten	ded to	supply wat	ter for:		1			19.	FORM		Concrete IS	Walls						
						Som	l					Kind	1		1	From (	(ft.)	Т	o (ft.)
	ILLHOL			•						\$	n 1	1 + /	7/						万
Dia. (	in.) Fro	m (tt.)	To (ft.)	Dia. (i	n.) F1	rom (ft.)	<del>  1</del>	ro (ft.)	_	ورو	14	7	LA	1		Surface			$\geq$
5	7  。	fa	191	<u> </u>			Ì			18	3 A	dte	MA	مدل	1		5		98
<b>O</b> Y	Su	rface	1/0		+		+				~ (		y a						10
	· [ /	90	197	31			ĺ								Ì				
7. CA	SING, LI	NER,	CURBING Weight, Spe	AND SCP	EEN														
Dia.		fg. & N	lethod of	Assembly	F1	rom (ft.)	1	ro (ft.)											
4		to	bl	ack	۲ ۱	Surface		19C	)										
	1/	א גר	. ء	28	ار				•	Ho	<i>10</i> _	Slo	4 <	ta	1	002	20)		
	4.	7	0 71	r I de	7					</td <td>0 1</td> <td>. 5</td> <td></td> <td>. 0 m</td> <td></td> <td></td> <td>An</td> <td>00</td> <td>) 0 N</td>	0 1	. 5		. 0 m			An	00	) 0 N
		<u> </u>	1				+		F	2			ب			16	2100		$\frac{2}{2}$
		5,	4-5	3												19	10		<u>78</u>
	4	/	K	HC	-				10	O. TYPI	E OF D	RILLIN(	G MACHI			1			
8 GR	OUT OR	ОТН	ER SEALIN	NG MATE	BIAL.						Cable T	ool	D n	otary-ha //drilling nud & ali	•		☐ Jet	ting w	vith
U. UK	OUI OR		ind_	10		rom (ft.)	1 1	To (ft.)	_	<u> </u>	Rotary- w/drillin	air		totary-ha	mmer			) A	ir
<u></u>		1 N		·				101	$\overline{\ }$		•	w/drillin	- I "	. 611				) w	ater
117	<u>uu</u>	T (	uti	Y		Surface			4	البا	mud	<u> </u>	<u> </u>	Reverse R	otary				
				()					l i	all cons	hmotion	complet	led on			7	<b>–</b> 8	10	78_
11.	MISCE	LLA	NEOUS D	ATA					<del>'</del>	OU CONTR	u u cuon	1 (	7			above			
	Yield To		<u></u>	<u> </u>	Hrs.	<u>.,, 0</u>	21_	GI	M W	ell is ter	minated		<u> </u>	inches	_	below	final g	rade	
	Depth f	rom su	rface to no	emal wate	z levei	Ja	35	Pt	. w	ell disinf	ected u	pon com	pletion			Y05 □	No.		
	Depth o			149,	Ft. St	abilized		Yos 🗆	No W	ell scajed	wateri	ight upo	n comple	etion	4	Yes [	] No		
	Water st						Y	Ma	du	00	ابر	labora	tory on			7-	9	1	<u>,8</u> =
Your	oninion (	CORCE	ning other	pollution i	hazards, in grou	informati ting, blast	on cor	ncerning c., shoul	difficul	ities enco	ountere	d, and da de.	ta relatir	ng to nea	eby we	ils, scree	ens, seals	, meti	rod of
Cimat		7											ete Maili	ng Adgla	MY'S F	ROTARY	DRILL	ERS	:
2	and	14	.l. 4	Men,	/	Register	ed Wel	II Driller	1							ROUTE	2		:5

## 86

## WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH -See Instructions on Reverse Side

1. County 5AUN	(Town ☐	א ער	
2. Location Section Name of street and number of premise	(City Check one and gr	ve name	
3. Owner For Agent Name of individual.	Dartnership or firm		
4. Mail Address S. R. Complete add			
5. From well to nearest: Building_U&_ft; sewer	ft; drainft; septic tank	.Laaft	;
dry well or filter bed_120_ft; abandoned well	_		
6. Well is intended to supply water for:	CAHACE		
7. DRILLHOLE:	10. FORMATIONS:	_	
Dis. (ia.) From (ft.) To (ft.) Dis. (in.) From (ft.) To (ft.)	Kind	From (It.)	To (fL)
4 0 122 8" 0 40	Trosail	0	
	MAY + GRAVEL	5	90
8. CASING AND LINER PIPE OR CURBING:	FAND & GRAVEL	Gen	122
Dia. (in.) Kind and Weight From (ft.) To (ft.)			
U Steel 0 116			
4 SCRECN 1/6 122			
	REOF	1115	
9. GROUT:	, AUG 3 I	1955	
Kind From (ft.) To (ft.)			
	ENVIRON.	TION	12.1
2 Poblet C 40	Construction of the well was con	mpleted o	n:
11. MISCELLANEOUS DATA:			- 19-5-4
Yield test: Hrs. at GPM.	The well is terminated		2 )
	above, below the permanent		
Depth from surface to water-level: ft.	Was the well disinfected upon o		
Water-level when pumping:ft.	İ		
Water sample was sent to the state laboratory at:			
- 14-19-5-19-5-19-5-4	Was the well sealed watertight  Yes	_	mpletion?
Clarton & Runda			<del></del>
Signature Segistered Well Drifter Please do not wr	Complete Mail Add		
Rec'd No	10 ml 10 ml 10 n	nl 10 m	l 10 ml
Ans'd	Gas-24 hrs		
Interpretation	48 hrs		
	Confirm		
	B. Coli		

# WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH See Instructions on Reverse Side

					1.	En
1. Con	sauk			Town ₩ of PRAIF		<i>4 1 -</i> `
		а то <u> </u>		City Greek one 25. T.10. R6 E.	and greenan	1949
2. Loc	eation N.W.Z.01	Name of a	treet and num	ber of premise or Sec. Tn. and R. num	bers	£47
3. Ow	ner 🕱 or Agent 🗆	RUDOLP	H WILLE	R.	1/	, v G'
			218.1110	f individual, partnership or firm	7	
4. Ma	il AddressPRAIR	e du s	ACK.	plete address required		
5. Fro	om well to nearest: Build	ling		er_8ft; drain_0ft; s	eptic tank_	50 ft;
dry	well or filter bed 70	_ft; abai	ndoned well	0 <u>ft</u> .		
6. We	ll is intended to supply w	ater for:	P	rivate Home		
7. DR	ILLHOLE:			10. FORMATIONS:		
Dia. (in.)	From (ft.)	<del> </del>	o (ft.)	Kind	From (ft.)	To ((t))
6	30	16		Clay and SAND	0	30
				SAND	30	164
	<del></del>	<u> </u>		GRAVEL	164	166
I	SING AND LINER PIPI		OPPNO.			
Dia. (in.)	SING AND LINER PIPE  Kind	From (ft.)	(tr)			
_6	Standard Weight					
	Steel Pipe	0	166			
	-					
9. GR	COUT:	•				ļ
	Kind ,	from (ft.)	(it)			
	LAY	0	30			
		<del></del>				ļ
						<del> </del>
	SCELLANEOUS DATA:	_				
	est:10 Hrs. at			Construction of the well was August 6	completed	on49
Depth:	from surface to water:	80	ft.	The well is terminated	70	19
Water-	level when pumping:	85	ft.	□ above, below ☑ the perms		
Water	sample sent to laborator	y at		Was the well disinfected upon		
	ison on Aug		19 49		×_ N	
	VII		- 40	Was the well sealed watertis	ght upon co	-
Signatu	was 4 &	: th	<b>)</b>	•		
Signati	Registered Well Dri	LIVY Her	<u></u>	Baraboo Mail	Address	
	# * * * * * * * * * * * * * * * * * * *			Complete Mail 1035 Wak	nut St	

WELL CONSTRUCTOR'S REPORT FORM 3300-15

NOTE
WHITE COPY - DIVISION'S COPY
GREEN COPY - DRILLER'S COPY
YELLOW COPY - OWNER'S COPY

STATE OF WISCON DEPARTMENT OF NATURAL Box 450

Madison, Wisconsin 53701

1. COUNTY	1.	10			ECK ONE			_	NAME			
	Sail	<u> </u>		□ Town		/illage	لــا	City	- Khi	77-1	Ti c	
2. LOCATIO	N - 1/8e	<i>i:</i>	ction Town	o Ni	Range	3. OWN	IER AT T	IME OF DI	RILLING , J	كسدر	$\bar{\mathcal{G}}$	
OR - Grid or	street no.	<del></del>	et name			ADD	RESS	OP	D. Fred War	<u> </u>		
AND -If avai	ilable subdivis	ion name, lot	& block no.			POST	OFFICE	P	<del>,</del>	N	4	1/10
4. Distance	in feet from	well to near	rest: BC	1 _	ITARY SEWER		DRAIN		NDATION DE	MIN	WASTE W	TER DRA
	ord answer in a		1	11 4	TILE	C. I. 5 2/t	TILE SE	WER CON	NECTEDINE	EPENDE	40 A	THE
CLEAR WAT	ER DRAIN S	SEPTIC TANK	C PRIVY SI	EEPAGE PIT	ABSORPTION	FIELD	BARN	SILO	ABANDONE	D WELL	SINK HOLE	
SUH		75		85								
OTHER POL	LUTION SOU	RCES (Give d	lescription suc	ch as dump, qu	uarry, drainage	well, stre	am, pond,	lake, etc.)		<u>-</u>		
5. Well is in	ntended to su	pply water	for:	1/-	2 0	<u></u>	<del></del>				, <u>, , , , , , , , , , , , , , , , , , </u>	
6. DRILLH	IOLE			100	mas_	9. FO	RMATI	ONS	<del></del>	· · · · · · · · · · · · · · · · · · ·		
Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)			Kind			From (ft.)	To (fi
16	Surface	15				a	Lan				Surface	10
6	15	80					Sand		Geani	6	10	70
7. CASING	. CASING, LINER, CURBING, AND SCE						-Ui	7/	2			
Dia. (in.)	1				To (ft.)		ممالير	محرا			70	
6"	Tien	Stan	1) Hick	Surface	77					<del></del>		
	Alexa	<u> </u>					_					<del> </del>
	19.18	de	H									
31	1 201	moor	Stine	5	eisin 15	5%	at					
und	134	H 5	" pip	in	in H	204	Ecni					
8. GROUT	OR OTHER		MATERIA	L 1	1 6	10. T	YPE OF	DRILLIN	IG MACHIN			
	Kir	nd		From (ft.)	To (ft.)	DX C	ble Tool		i	Rotary	i	erse Rotary
		,- <u>-</u> ++		Surface			otary — ai /drilling m			y — hamm ing mud &		ng with Lir Wa
					<u> </u>	Well	onstruct	ion comp	leted on	Du	19	19 7/
11. MISCE Yield test:	LLANEOUS	S DATA	Hrs. at	20	GPM	Well is	s termina	ntcd	10 inc	thes	above below	final gra
Depth from	n surface to (	normal_wate	r level	40	ft.	Well c	lisinfecte	d upon o	ompletion		<b>□</b>	/es 🔲
Depth to w	ater level wi	nen pumping	1	40	ft.	Well s	ealed wa	tertight u	pon comple	tion	[X]_ Y	/es 🔲
Water samp			Vadu	w				lat	oratory on:	De	WIO	19-
type of casi	ing joints, m	ethod of fin	ution hazardishing the w	ds, informati ell, amount	ion concernin of cement use	g difficu ed in gro	lties enc uting, bl	ountered, asting, su	and data re b-surface pu	laving to	nearby wells, is, access pits,	screens, sea
SIGNATUR	reverse side		4			СОМР	LETE M	L ADDR	ESS	$\overline{}$		
Zo!	in:	Will	ch R	egistered We		24	5 Ka	ik a	in t	lau	ic Du	Jac
COLIECTM	TEST RESU	T	10	Plea AS - 24 HRS	se do not wr	te in sp		CONFIR	MED	REM	IARKS	

State of Wisconsin
Department of Natural Resources
Private Water Supply
Box 7921
Madison Wisconsin 53707

NOTE:

WELL CONSTRUCTOR'S F Form 3300-15

Rev. 2-79

White Copy
Green Copy
Valloy Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening Copy

Opening C

EFE O

N N	ladison.	Viscons	$\sin 53707$				Yell	low Cep	y –	Owner's	s Copy						ttis 2	2 1 1	935
	UNTY	1	1-			СНЕСК		Ξ:					Naple						
		<u> </u>	uk	ر		Tow			Village		☐ Ci	ty ,	SU	ni	ÁD	D			
		14.5	ection or G	ioyt. Lot	ראין ^י	ection 1		ip Rang	~~~	NAME	្៲឴឴឴឴៑៱៰	WNE	B,□AC	SENT	AT TH	MP OF	DRILLI	NG CH	ECK (A) ONE
2. LO	CATION	<u> </u>	ر 44 ر	VC 1	<i>y</i> 2	74	101	VEE			US.		rel	LY	n	(p	re	<del>,</del>	
OK	- G	ia or 5	treét No.	Street or	Koad i	Name			'	ADDRE	.ss <i>0</i>	0		/	ı	V			
AN	D - If	availab	le subdiv/s	ion name,	lot & b	lock No				POST	OFFICE					7	ZIP CO	DE	
			X	rul	eis	. Kh	1-1	و م		$\mathcal{F}$	La	u	رون	M	1 4	رما	ich	- <b>-</b> -	53571
4. Dist	tance in f	eet fro	m well	Building	Sanit	ary Bidg.	Drain	Sanit	ary Blo	g. Sewer		Floo	or Drain ected T	0:	Sto	rm Blo	g. Drain	St	orm Bidg. Sew
	nearest: wer in ap	(Rec			C.1		Other	C.1	IA	Other	C.I		er Othe		er C	1. 👔	Other	C.	. Other
blo			er Sewers	Foundati	OD Dra	n Conne	ted to	Sewage	SHO	Clas	rwater	Sept	4_			ě		1 2022	ure Hopper or
San.	Storm	C.I.	Other	Sewer	1	Sewage		C.I.	Other		ump	Tan	k Tai		Seepage		ption Uni	Rete	ntion or ematic Tank
				Clearwal Dr.	er	Sump Clearwal Sump	er					50			eepage		751		
Privy	Pet	Pit: N	lonconfori		ing S	ubsurface	Pumpre	oom	Barn			mai S	Silo	Glass	Lined	Silo		Silage	Earthen
	Waste Pit	Well			N	onconfor	ming E	xisting	Gutte	r Barr Pen	Ya	rd V	Silo With Pit	Stora Facili	ity	w/o Pit	Storage Or Pit	Trenci	Earthen Manure Basir
		Pump	<del>'  </del>						;		İ			1	7				
	orary Mar or Platfo		Watertight Manure Tai		Manure Pressure			Naste Po Disposal	nd or L		Manure				Oth	ner (De	scribe)		<del></del>
<b>5155</b> 11			Basin		Pipe	Oil Tai		(Specify			Concret Concret			<del>.</del>					
5 Wal	l is inten	ded to	supply was	ar for:		<del></del>			10		Partial (		te Wall	<u> </u>					<del></del>
J. WE	it is fireth	ucu io	supply was	er ior.	X	tom.	,		١,٠	FURN	IATION		ind			١	From (ft		To (ft.)
5. DR	ILLHOL	.E				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				0			1.				110111 (11	1	10(11.)
Dia. (	in.) Fro	m (It.)	To (ft.)	Dia. (i	n.)   F	rom (ft.)	T	o (ft.)		Sar	Mi	- J.	Isan	ואם			Surface	!	60
	1		1,								120		Λ	~			/ ,	_	10
	Su	ırſaœ	15	<u> </u>							gra	nel	<u>/</u>				60	)	67
	'   <i>j</i>	4	19	>								- 1						İ	,
7 FA	SING LI	NFR. (	TURBING	AND SCR	FFN														
Dia. (	Ma in ) I M	terial, V	CURBING Weight, Spi lethod of A	ecification	I F	rom (ft.)	ι τ	o (ft.)				*						i	
	11 N	/	1	0 4 /	1	10111 (11.)	<del>-                                     </del>		_									i	<del></del>
<u> </u>	1 Ve	WX.	tend	perso	ux	Surface	4	66											
10.0	147	4	Dr.	140							- ;								
4		11/	(2)	<u> </u>	-			<del></del>			<del>,</del>		. <u>-</u>						<del></del>
45		R	<u> 155</u>																
3/		,		Har.		1			ľ	<i>,</i> •									
	12	22	my W	ain	eg.	z Sec	lea			<u>.                                      </u>									<del></del>
51	2/27	<i>L</i>	Jan	aeli	e d	60	6 (	69	10	). TYPI	E OF D	RILLI	NG MA		E USE				
8 GR	OUT OR	OTHE	R SEALI	WG MATE	RIAT.					K	Cable T	100			Irilling d & air			] Jet	ting with
o. or	.001 01		ind	\ \		rom (ft.)	1	Γο (ft.)΄	'		Rotary-	air	_  _		tary-ha	mmer			Air
1/	) , //	1	41	7-				1/			w/drllin Rotary-	-		& a _	ır				Water
YL.	sil	Y (1)	ull	In a	<del>,</del>	Surface		3_			mud	,		_ l Rev	rerse R	otary			
•	•			K					W	ell cons	truction	comp	eleted o	n	le	,9			_19.85
11.			EOUS D	ATA		á	160						12		V	_	above	final g	rade
	_Yield.To	est:		<u> </u>	Hr	Lat DX		GP	M W	ell is ter	minated	l —		<u>inc</u>	hes		below		
_			rface to no	rmal wate	r level		35	Ft.	We	ell disinf	ected u	pon co	mpleti	on		2	Yes 🗆	No	<del></del>
	Depth o	f water pumpir	-	<u>5</u> [	t. S	tabilized	X Y	(es 🗆	No We	il scaled	watert	ightu	pon cor	npletic	on	凸	Yes 🗆	No	
	Water s	ımple s	ent to					nas	les	y		labo	ratory	on _	U.	1	//		19 <u>85</u>
Your	oninion	concert		pollution I	azards in grot	, informa	tion con	cerning	difficult	ties ence	ountere	d, and de.	data re	lating	to near	by we	ils, screen	s, seak	, method of
Signat		/							Bu	siness N	iame an	d Con	plete N	failing	<b>Addre</b>	288		<u> </u>	1 .
Ļ		/	21	1 ,	•				<b>'</b> /	11 /	(i)	1	1		4 J	•	Χ	1	1

State of Wisconsin Department of Natural Resources Box 7921

NOTE:

Division's Copy

WELL CONSTRUCTOR'S REPORT Form 3300-15 Rev. 12-7

White Copy Green Copy Driller's Copy Madison, Wisconsin 53707 Yellow Copy Owner's Copy 1. COUNTY CHECKAY) ONE: Name_ 1 Town City OWNER AGENT AT TIME OF DRILLING CHECK (4) ONE 14 Section Range 3. NAME Township ろらっらこ Section LOCATION Z ADDRESS Grid or Street No Street Name If available subdivision name, lot & block No. POST OFFICE Floor Drain Connected To: Building Sanitary Bldg. Drain Sanitary Bldg. Sewer Storm Bldg, Drain Storm Bldg, Sew Distance in feet from well to nearest: Other C.I. C.I. Other (Record C L C.I. Sewer Other Sewer answer in appropriate block) Septic Holding Sewage Absorption Unit Street Sewer Other Sewers Foundation Drain Connected to: Sewage Clearwater Sump Sewage Sump C.I. Seepage Pit San. C.I. Storm Other Sewer 50H Seepage Bed Clearwater Dr. Cleary learwater Seepage Trench Animal Silo Glass Lined Yard With Pit Storage Facility Privy Silo W/o Pit Earthen Silage Storage Trench Or Pit Pet Waste Pit Barn Gutter Animal Pit: Nonconforming Existing Subsurface Pumproom Barn Pen Well Nonconforming Existing Pump Tank Waste Pond or Land Disposal Unit (Specify Type) Temporary Watertight Liquid Manure Tank Solid Manure Subsurface Gasoline or Oil Tank Other (Give Description) 9. FORMATIONS 5. Well is intended to supply water for: To (ft.) From (ft.) Kind DRILLHOLE Dia. (in.) From (tt.) | To (ft.) | Dia. (in.) | From (ft.) Surface To (ft.) Surface CASING, LINER, CURBING AND SCREEN Material, Weight, Specification is. (in.) & Method of Assembly Dia. (in.) To (ft.) From (ft.) Surface 10. TYPE OF DRILLING MACHINE USED Rotary-hammer w/drilling mud & air Jetting with Cable Tool 8. GROUT OR OTHER SEALING MATERIAL Rotary-hammer & air Air Rotary-air w/drilling mud From (ft.) To (ft.) Rotary-w/drilling SL O Reverse Rotary Surface Well construction completed on MISCELLANEOUS DATA final grade below inches Yield Test: Well is terminated 🔇 Yes 🗆 No Well disinfected upon completion Depth from surface to normal water level Ft. 🔽 Yes 🗆 No Yes No Well scaled watertight upon completion Ft. Stabilized when pumping laboratory on Water sample sent to Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side. Complete Mail Address Signature Registered Well Driller

#### State of Wisconsin Department of Natural Resources Box 7921 Madison, Wisconsin 53707

Signature

NOTE:

Division's Copy

Driller's Copy

Owner's Copy

White Copy

Green Copy

Yellow Copy

WELL CONSTRUCTOR'S REPORT Q

Form 3300-15

Rev. 12-76

FEB 1 2 1979

UNTY CHECK (1) ONE: **☑** Town ☐ Village ☐ City CA) OWNER AGENT Section 3. NAME アルジ 4 Section Township Range AT TIME OF DRILLING CHECK (A ONE LOCATION Grid or Street No. Street Name **ADDRESS** If available subdivision name, lot & block No. POST OFFICE 4. Distance in feet from well Building Sanitary Bldg. Drain Sanitary Bldg. Sewer Floor Drain Connected To: Storm Bldg. Drain Storm Bldg. Sewe Other Sewer to nearest: (Record C.I. Sewey Other C.1. Other answer in appropriate O block) Street Sewer Other Sewers Houndation Drain Connected to: Septic Holding Sewage Absorption Unit Sewage Samp Clearwater Sump C.I. Other Sewage Seepage Pit Other Sump Seepage Bed Clearwater Dr. Clearwater Sump Seepage Trenci Privy Pet Waste Pit Animal Barn Pen Pit: Nonconforming Existing Subsurface Pumproom Barn Earthen Silage Storage Trench Or Pit Glass Lined Silo Nonconforming Existing Storage Facility Well Pump Tank Solid Manure Storage Structure Subsurface Gasoline or Oil Tank Waste Pond or Land Disposal Unit (Specify Type) **Temporary** Watertight Liquid Manure Tank Other (Give Description) Manure 9. FORMATIONS Well is intended to supply water for: Kind From (ft.) To (ft.) DRILLHOLE Dia. (in.) From (tt.) | To (ft.) | Dia. (in.) | From (ft.) To (ft.) Surface Surface LINER, CURBING AND SCREEN Material, Weight, Specification & Method of Assembly Dia. (in.) From (ft.) To (ft.) **Surfaœ** 10. TYPE OF DRILLING MACHINE USED Rotary-hammer w/drilling mud & air Cable Tool Jetting with GROUT OR OTHER SEALING MATERIAL Rotary-air w/drilling mud From (ft.) To (ft.) Water Rotary-w/drilling Reverse Rotary Surface Well construction completed on MISCELLANEOUS DATA final grade □ below Well is terminated Yield Test: ✓ Yes □ No Ft. Depth from surface to normal water level Well disinfected upon completion Depth of water level Yes D No Ft. Yes No Well sealed water tight upon completion Stabilized when pumping Water sample sent to laboratory on Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side. wells, scre

Registered Well Driller

State of Wisconsin Department of Natural Resources Box 7921 Madison, Wisconsin 53707

#### NOTE:

WELL CONSTRUCTOR'S REPOI Form 3300-15 Rev. 12-7

Dep			iral Resour	White Copy		Division's			Form	3300-15		Rev. 1	24 76		
		Box 792 Wiscon	sin 53707		•	Green Copy Yellow Copy	; - C	Oriller's Co Owner's Co	oby. 2	UMPTE	R		~ 4 7 4	979	
1. COL	JNTY	So	J	S.	CHECK (/)		Village		☐ City	Name	2:	76	1	1	
2. LOC OR	ATION	Sizify	JEK.	Section Street Name	Township	Range 6E	3. N	DDRESS	2 ow	VER DA	GENT A	AT TIME O	FDRILLIN	G CHEC	AO (NT.)
ANI	D - If	availabk	_ /.	on name, lot	& block No.	<u> </u>	P	OST OF	FICE	El	Paca	کی پر	U.		
to n	ance in fearest:	(Reco	ord /c	uilding S	anitary Bidg. Dr C.I. Ot	ain Sanita her C.I.	ary Bldg.	Sewer Other		loor Drai onnected ewer Oth		<del></del>	dg. Drain Other	Storm C.I.	Othe
	t Sewer	Othe	r Sewers	Foundation	Drain Connecte			Clearw					rption Unit		
San.	Storm	C.I.	-	Sewer	Sewage Sump	C.I.	Other	30	•	1 = 31	; <u>3</u>	eepage Pit eepage Bed	<del></del>	72	<b>≠</b>
				Clearwater Dr.	Clearwater Sump					3/1	<u></u>	eepage Tren			<u> </u>
Privy	Pet Waste Pit	Well Pump	onconform	ning Existing	Subsurface Property   Nonconform		Barn Gutter	Animai Barn Pen	A nima Yard	Silo With P	Glass I Stora Facilii	Lined Silo ge w/o Pit	Earthen : Storage 1 Pit	Silage French O	r
Tempo Manur Stack		Tank Waterti Liquid Tank	ght S Manure S S	olid Manure torage tructure	Subsurface Gasoline or Oil Tank	Waste Pond or Disposal Unit (Specify Type		Other (C	ive De	scription)		, , aver			
5. Wel	l is inter	ded to s	upply wate	er for:	me.		9.	FORMA'	TIONS	Kind			From (ft.	)	To (ft.)
	ILLHOI		To (ft.)	Dia. (in.)	From (ft.)	To (ft.)		TH,	Sha	i, 4	7		Surface		3
12		urface	20	122. ()	1			y o		PAI	00.		3	٤	30
6		20	87				1		S	0		1	32	1	
7. CA Dia. (		INER, C	URBING / eight, Spe	AND SCREI	EN From (ft.)	To (ft.)		<b>ب</b> ــــــــــــــــــــــــــــــــــــ	R	Na	Q1	-0	80	2	27
	1 7	ws			Cleurface	8-4			<b>L</b> F. <b>H</b> 2.		<i></i>				
19.4.	5 20	. EF	Zr	.C.											
4sth	14.3	7 73	Sum	itom	metal										
fort	4	43	HI	chusa	Stainl	as Sc	icen	ی ز	S	let.					
<u></u>	Na	tal	led	)	84	87	10.			LLING M	Rota	E USED ary-hammer rilling	۱		
8. GR	OUT OI	R OTHE		G MATERI	AL From (ft.)	To (ft.)		⊠Lca — Ro	tary-air		∟ mud ∟ Rot	l & air ary-hammer	,   -	لــا Tettini	g with Air
<u>,</u>	Oril	Di.	Hin	6	Surface	20				mud 'drilling	☐ Rev	r erse Rotary			Water
<del></del>		<del></del>	The state of				We	il constru	ction c	ompleted	OR	hely	7		1978
11.	MISCI Yield 1		EOUS D	15-	Hrs. at — ©	2.5 GP	M We	ll is termi	nated_		U incl	成 hes ロ	_above below	inal grad	ie
			face to no	rmal water k	evel 4	LO FL	We	l disinfec	ted upo	n comple	tion		Yes 🗆 1	No	
	Depth	of water	level Z	LD FL		ZZ Yes □	No We	Il sealed w	ratertigi	ht upon co	ompletio	n KO	Yes 🗆	No	
	Water	ample s	ent to			liga				laboratory			16		
Your finish	opinion ing the	concern veil, amo	ing other pount of cer	poliution has ment used in	zards, informatio growting, blastic	on concerning ng, etc., shoul	difficult d be give	ies encou n on reve	ntered, rsc side	and data :	relating (	to neatily w	ells, screens	, seek, M	ethod of
Signat	7° 7/		91	els.	2		7.	omplete M	()	_		D.			
170	1/6	nne	- 11/	126	Registere	d Well Driller	- 4	<u> </u>	J a.1	RA	me.	T.4		2 av	<u>u .oa</u>

Framinos

## WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH . See Instructions on Reverse Side

1. County 5 AUK	Town Village SumpleR For E-I
Name of street and number of premise	S (7 ROVE E 2 SE Se. 24) APR 1 8 1957
3. Owner ⊠ or Agent □	PRIEBE TION ROE ENVIRONMENTA PARTHERING SANITATION
4. Mail Address R# PRURIE D4	SAC WISCONSIN
5. From well to nearest: Building_4ft; sewer_	
•	ft.
<ul><li>6. Well is intended to supply water for:</li></ul>	10. FORMATIONS:
7. DRILLHOLE:  Dia. (in.)   From (ft.)   To (ft.)    Dia. (in.)   From (ft.)   To (ft.)	From ! To
9 0 76	Sand mounter 0 30
	play Hard fan 30 40
CASING AND LINED DIDE OF CURPING.	
8. CASING AND LINER PIPE OR CURBING:  Dia. (in.)   Kind and Weight   From (ft.)   To (ft.)	- no Water 40 b3
9 met gal file	fine sand
- July July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - July - Ju	- Water Bearing
	21 15 71
o grave	gravel water 65 76
9. GROUT:  Kind   From (ft.)   To (ft.)	Bionny
And Plants 20 (ts)	
	Construction of the well was completed on:
11. MISCELLANEOUS DATA:	4-15
Yield test: 9 Hrs. at GPM.	The well is terminated/_ inches
	☑ above, below ☐ the permanent ground surface.
Depth from surface to water-level: 2.5 ft.	Was the well disinfected upon completion?
Water-level when pumping:3 £ ft.	
Water sample was sent to the state laboratory at:	YesNo
Modison on 4-17- 1957	Was the well sealed watertight upon completion?
City 0n 7-11-1-1192-1	Yes
Signature & Morting & som  Registered Well Driller  Please do not wr	Wis Della Wis Complete Mail Address
Rec'd No	10 ml 10 ml 10 ml 10 ml
Ans'd	Gas—24 hrs
Interpretation	48 hrs
	Confirm
·	B. Coli

#### State of Wisconsin Department of Natural Resources Box 7921 Madison, Wisconsin 53707

#### NOTE:

WELL CONSTRUCTOR'S REPOR Form 3300-15 Rev. 12-7 Rev. 12-7

White Copy Green Copy Yellow Copy Division's Copy
 Driller's Copy
 Owner's Copy

1. COUNTY	1		b.	CHECK (/						lame	_	•	ए इ.ड.	. ।अव	
<del></del>	- 1% Se	ection	Section	Township	Range .	illage	IAME 5	_ City		AGE	17 A T. T	ME OI	<u>ز بسم</u>	NG CH	CK (A ON!
2. LOCATIO	The s	ÚLW	W1 19	10 N	TE		La	k	. (	مدارا	B		- 6	111	CK (J) ON!
OR -	Grid or S	reet No	Street Nam	e		A	DDRESS			RR	)				
AND -	If availab	e subdiv	ision name, lo	t & block No.		P	OST OF	FICE	6	)	7.0		,, A		,
4. Distance i	n feet froi	n well	Building	Sanitary Bldg. D	rain Sanitar	y Bldg.	. Sewer		Floor	Orain ed To:	Si	orm BI	dg. Drain	Sto	orm Bidg, Se
	: (Rec appropria		50/12	C.I. 6	ther C.I.	10	Other			Other S	ewer	C.I.	Other	C.I	. Other
Street Sewe	er Oth	r Sewer	s Foundation	Drain Connecte	d to: Sewage S	ump	Clearw	ater	Septic	Holdin	g Sewag	e Abso	rption Ur	nit .	
San. Stor	m C.I.	Other	Sewer Clearwater Dr.	Sewage Sump Clearwater Sump		ther	Sum	P	Tank 75/	Tank L	Seepa		ch	100	U.
Privy Pet Wast	te	onconfo	orming Existin	<del></del>		Barn Gutter	Animal Barn	Anim	al Sile	n Pit S	lass Lines	Silo	Earthe	n Silage	01
Pit	Pump			Nonconform	ing Existing		Pen		1,000	F	cility	w/o Pit	Pit	Trench	
Temporary	Tank Watert	in i	Solid Manure	Subsurface	Waste Pond or	200	Other (C	ina D	<u> </u>	20)			<u> </u>		
Manure Stack	Liquid	Manure	Storage Structure	Gasoline or Oil Tank	Disposal Unit (Specify Type)			A James	macripti	O(1)					
5. Well is int	ended to	upply w	ater for:	1 1		9.	FORMA'	TIONS							
			Boot	Chel					Kind	l			From (	(t.)	To (ft.)
6. DRILLHO Dia. (in.) F	_	To (f	t.) Dia. (in.)	From (ft.)	To (ft.)		Cl	44	<u> </u>				Surface		10
10	Surface	2	0				1		14	y	lave	0	10	5	60
6	20	69					e	sa	el	·			6	0	
7. CASING, Dia. (in.)	LINER, ( Material, V & Met	URBING Veight, Shod of A	G AND SCRE pecification Assembly	EN   From (ft.)	To (ft.)									Ì	,
64	new.	Stan	D Bek	Keburiace	64										
19:45	#	et	JOC.												
A510	145	3	Sum	tome											
			Meta	el.											
						10.	TYPE O	F DR	ILLING						
8 CPOUTE	OP OTHE	D CEAL	ING MATERI	<u> </u>	<u> </u>	-	Cal	ble To	ol		Rotary-h w/drilling mud & a	2111111W1 		□ Jett	ing with
o. GROUI		nd	MAIAM DAIL	From (ft.)	To (ft.)	l		tary-ai drilling			Rotary-h & air	ammer	ļ		Air
Dril	1 Ca	It	mas	Surface	20	$\mathbb{L}$		tary-w	/drillin		Reverse/	Прагу			Water
			0			Wel	li constru	ction c	omplet	ed on _		rel	4 4	1	19 78
	CELLAN	EOUS	DATA_	Hrs. at	S GPM	Wel	ll is termi	nated		10	inches	_	above below	final gr	ade
		face to	normal water l	evel	? Ft.		i disinfect			pletion		(38)	Yes 🗆	No	
	h of water en pumpir	_	25 Ft.	Stabilized	<b>Z</b> Y ↔ □ 1	Vo Wel	I sealed w	atortig	fat upo	n compl	letiga	瓜	Yes 🗆	No	
	r sample s			Mad	liven				Inbora	tory on	Ju	4	5		_1
Your opinio	on concern e well, am	ing other	r pollution has coment used in	zards, information grouting, blastic	n concerning d ng, etc., should	ifficulti be give	a on revel	tered,	and da	ta relati	to ne	ety w	ils, scree	ns, seels,	method of
Signature	0/		01	0		Con	mplete M	ii Ada	dress	,		<u> </u>			1
7	Ilex.	سعه	Mod	, Aceivlere	d Well Driller	只	451	Lai	1 a	ne_	4	lai	1711-	Nu	Har

## WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH See Instructions on Reverse Side

	1. Cou	nty	Sauk				Town Village Sumpter City Check one	and give name	
	2. Loca	ation	Se	ec. 24	T	10_N_R.		ena Sive name	
	<b>-</b> . <b>-</b> 500.		Na	me of stre	et and num	ber of premis	e or Section, Town and Range number	rs	
	3. Own	ner 🗷 or	Agent [	]	Raul W.	ilkinso of individual	N , partnership or firm		
	4. Mai	l Addres	s	R	F.D.	Praire.	đu Sac		
							iress required		
	5. Fro	m well to	nearest	: Buildir	ng41	ft; sewer	ft; drainft; septi	c tank50ft	;
	dry	well or f	filter bed	f	t; abando	ned well	ft		
•	6. Wel	l is inten	ided to s	upply w	ater for:		Cottage		
	7. DR	ILLHOL	E:				10. FORMATIONS:	_	
	Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)	Kind	From (ft.)	To (ft.)
	4_		62	<b> </b>	<u> </u>		Sana		20
				<b> </b>			lay	20	50
	_	SING A	ND LIN	ER PIP	-	RBING:	Sand & gravel	50	62
	Dia. (in.)		Kind	<del></del>	From (ft.)	To (ft.)			<del></del>
	4_		eel	<del></del>		56	- BEA		<del></del>
	4		reen		56_	<u>62</u>	-	FIVED	
								7 7357	
	9. GR	OUT: Kin	nd		From (ft.)	To (ft.)		NA ENTA	
	<del></del>						SANI	TATION	
						-	Construction of the well w	as completed or	ı:
	11 N	IISCELL	ANEOU	IS DAT			7/22		19 55
				•		OD).	The well is terminated	_	
	Yield te		]			GPM.	above, below the per		
	Depth f	rom surf	ace to w	ater-lev	el: <u>10</u>	ft.	Was the well disinfected t	inon completion	7
	Water-l	evel whe	n pumpi	ng:	<u> 10</u>	ft.		esX No.	
	Water s	ample wa	as sent t	o the sta	ate labors	tory at:	ĺ	•	
	Mad	lison	o	n 7,	/25	1955	Was the well sealed water	•	_
		City					Y	esX No.	
	Signatu:	<i>O</i>	. /	1)	Ide o	a Long	Patra	Wision .	
	oignatu.	TR.	egistered	Well Dril	ler Plea	ase do not wr	Complete Ma	il Address	
	<del></del>						10 ml 10 ml	10 ml 10 ml	10 ml
	Rec'd				No		20 mil 10 im	A 441	eni
	Ans'd						Gas-24 hrs		
	Interpreti	tion					48 hrs		
							Confirm		
į				·			B. Coli		• •••••
							<b>5</b>	In an	

COLIFORM TEST RESULT	Ploase d		rite in space   8 — 48 HRS.	CONFIRMED	REMARKS	
da Verne Welsch	Registered Wel		245	Trul Clare	June De	1 Za
SIGNATURE 21/			COMPLETE MA	ADDRESS C	Ricia D	
surface pumprooms, access pits, etc., si			rse side.			
Your opinion concerning other pollution wells, screens, seals, type of casing it	n hazards, info	ormation of finishi	concerning di	fficulties encountered	, and data relating sed in grouting, bla	to nearby
Water sample sent to Sha	deson.			laboratory on:	Dec 7	19 (
Depth to water level when pumping	25	ft.	Well sealed	watertight upon com	pletion Yes	
Depth from surface to normal water lev	el 25	ft.	<del></del>	ted upon completion	Yes	
Yield test: 20 Hrs	. at /3	GPM	Well is termi		below Ti	nal grace
11. MISCELLANEOUS DATA	<u> </u>	,		tion completed on	Sigt 25	19 £
	-				1.1+ 00	
	Surface					
9. GROUT OR OTHER SEALING MATERI Kind	AL From (ft.)	To (ft.)				
Scrien				<del></del>		
Johnson Staist	up Steel					
6 ft 13 Slat						<del></del> .
1 4 11- 00 4	<del>-</del>					
14,45 26						
6 Stand BOR	Surface	63				<b>-</b>
8. CASING, LINER, CURBING, AND SCRE Dis. (in.) Kind and Weight	From (ft.)	To (ft.)				
O CASING TIMES CHIRDING AND CON	<u> </u>					
Surface 6.3	_		Sand	of Gravel	Juliace	<u>63</u> .
Dia. (in.) From (ft.) To (ft.) Dia. (in.)  / Surface / 5	From (ft.)	To (ft.)	Ca	Kind ()	From (ft.) Surface	To (ft.
7. DRILLHOLE	1	70/20	10. FORMATIO		1 1	
6. Well is intended to supply water for	or: Has	ne				
OTHER POLLUTION SOURCES (Give description	7.5	arry, drain	ago well, stream, n	ood, lake, etc.)		
CLEAR WATER DRAIN SEPTIC TANK PRIVY C. I. TILE	1	ABSORPTIC	ON FIELD BAR	SILO ABANDONE	B WELL SINK HOLE	
(Record answer in appropriate block)						
5. Distance in feet from well to nearest:	BUILDING SANIT		R FLOOR DRAIN C. I.   TILE	FOUNDATION DE SEWER CONNECTED IND		TER DR
4. OWNER'S COMPLETE MAIL ADDRESS 4.19-	7th &	<del>/</del>	Paid	ie lu de	1.11/1	· · · · · · · · · · · · · · · · · · ·
- Alma	eld Sp	atte	hall			
3. OWNER AT TIME OF DRILLING	4 T1	CIV	RGE	- V		
2. LOCATION (Number and Street or 1/4 section, as	, , , , , , , , , , , , , , , , , , , ,	Village		Dame, lot and block number	20	
I. COUNTY	CHECK ON		NAM			
WELL CONSTRUCTOR'S REPORT	DEPARTME	NT OF	RESOURCE	DEVELOPMENT	96	w

STATE OF WISCONSIN

WELL CONSTRUCTOR'S REPORT NOV 2 1 1973

NOTE
WHITE COPY - DIVISION'S COPY
GREEN COPY - DRILLER'S COPY

STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES Box 450 Madison Wisconsin 53701

	ELLOW CO	PY - OWNER'S COP	Y			
CHECK Town	ONF	illege	Piace	ii Ne	. Ja	
t. LOCATION - Section Section Township Ran		3. OWNER AT TIME	OF DRILLING			
410114 XC14 35 10N	cE 1	Herm	an 3	esnli	ــــ يد	
OR Grid or affect no 17 Street name		ADDRESS	- 1+0	1		
AND If available subdivision name, but & block no		PUNI OFFICE	<u> </u>			- · <del></del>
A. 10 Systemac successions to the contract of	1	Class	I City	r, Wis		
. Distance in feet from well to nearest: BUILDING SANITA			FOUNDATION D	RAIN	WASTE WAT	
21/4 5	TILE	C. I. TILE SEWE	R CONNECTED IN	DEPENDENT	10/4	THE
PRECORD ANSWER IN ADDITION TO THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF T	LSORPTION	FIELD   BARN	SILO JABANDON	Ers Will I and	107	
C.I. TILE	BORE FOR			ED WELL   NIX	N MULE	
15th 75 100						
OTHER POLLUTION SOURCES (Give description such as dump, quari	y, drainage w	ell, stream, pond, tak	e, etc.,			
i. Well is intended to supply water for:	_					
S. DRILLHOLE		9. FORMATION	S			
Dis (in ) From (ft.)   To (ft.)   Dis. (in.)   From (ft.)	To 111.1	· · · · · · · · · · · · · · · · · · ·	Kind		From Its.1	To (ft.)
10 Surface 10	1	8.0	Pe a	111	Surface	40
10 347145 10		sand	March	Clay !		/3
6 10 194		Sent	<i>?</i>	9	75	140
7. CASING, LINER, CURBING, AND SCREEN			2			
Die. (in.) Kind and Weight From (ft.)	To (ft.)	_ Da	nd Gra	net_	140	183
" May Straf Ack Surface	189	, 0	n	•	100	100
16wx mi Gile	37	1 /30	arex		185	117
1-1						
		/				<del> </del>
19.18 per pt.		Y				
5/4 Johnson Ste los						
15 08 6 8 9 1	2 7!		<del></del>	<del></del>		
13 Stor Screen and 1	Cd:	10. TYPE OF D	PILLING MACH	INE USED	<u> </u>	
8. GROUT OF OTHER SEALING MATERIAL	T	1				
		Cable Tool	1	act Rotary		rse Motory
Hill Culturys Surlace	/c	Rotery air		tery — hemmer rilling mud & air		ng writh
			1	1.1		Wester
	<del></del>	ivell construction	n completed on	an,	1 shove	1973
11. MISCELLANEOUS DATA Viold test: 15 Hrs. at 25	/ GPM	Well is terminets	d 10	inches [	above T	final speak
Depth from surface to normal water level 70	ft.	Well disinfected	upon completion	) 	S( )	
75	_	Well seeled water	rtight upon com	aletion	Z v	/e 🗀 I
Depth to water level when pumping 70	ft.	17		<i>(</i> 4		
Water sample sent to		leson	laboratory o	سرن ا	T_//_	<u>"Z</u>
Your opinion concerning other pollution hazards, informatio	n concernin	ed in exercise Man	untered, and data	relating to n	orty wells,	SCIPPING, TOO
type of casing joints, method of finishing the well, amount of the given on reverse side	Coment us	eo in grouting, <b>cia</b>	ung, suo-surrate	pumproons,	aven pu,	-10., <b>2100</b> 11
ATURE		COMPLETE MAI	LADDRESS			, ii
· A· · · ·			6 11	وليلا	. 1	A. L
La 9/2 me Itelach Registered Well	Driller	545	au llu	e tes	uu 2	M PR
		ite in space below	CONTINUE OF	REMA		<del>/</del>
COLIFORM TEST RESULT GAS 14 HRS.	643	S 48 HRS.	CONFIRMED	KEMA	را "	•

STATE OF WISCONSIN

WELL CONSTRUCTOR'S REPORT	DEPARTMENT OF	RESOURCE DEVELOPMENT	Wı
T COURT A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF	CHECK WILL    CHECK WILL    Village	Ch: Finine Su	la de
EDUCATION (Number and Sures of Is among	excline, severally and reage. Aur	give achievant same, for and black aventure obes a	ediatelyie /
A OWNER AT TIME OF DRILLING	0 <del>15</del> 11	ON REF	<u> </u>
OWNER'S COMPLETE MAIL COORES	and there		
5. Distance in feet from well to nearest	LOILLE THE THE SERVEN	REPLANE DRAIN FOUNDATION DRAIN	WASTE WATER DRAW
(fineard enswer in appropriate black)	75-6 CI TILE		
CILAR WATER DRAIN SEPTIC TANK PRIV	Y SEEPAGE PIT   ALBORPTIO		WINK BOLL
125/1 100	125		
OTHER POLLLTION SOURCES (Gm Land	on each se dump, quarry, drawn	er wall, strange, panel, labo, etc.)	
6. Well is intended to supply water	for:	iles Chemical Co	,
7. DRILLHOLE		10. FORMATIONS	
Die (in.) From (fr.) To (fr.) Die. (i	in.)	Cond	from (ft.) To (ft.)
6 Surface 247		Sand	Surface 180
		Sand Rock	180 23:
8. CASING, LINER, CURBING, AND SC Dia. (in.) Kind and Weight	REEN From (ft.) To (ft.)	Blue low Stree	235 24%
Lu Mento De Ro	1. Surface 209		
Jt. 1 1. P			
10 14 4	,		<del></del>
17.45 Au 17		حزرين	D
			יייים אוייים
		SEP 25 laod	SEP 2 5 1949
9. GROUT OR OTHER SEALING MATE	From (ft.) 10 (ft.)	nopt Nat. " 3.	
	Surface		
		0.	
11. MISCELLANEOUS DATA			Kabora
	Hrs. M 20 GPM	Well is terminated / inches	below final grade
Depth from surface to normal water	level = 88h.	Well disinfected upon completion	Ø\$ □ ·
Depth to water level when pumping	80 n.	Well seeled watertight upon completion	<b>₹</b> Yes □ P-
Water sample sent to	Mash	laboratory one	us 7 1964
Your opinion concerning other politivells, screens, seals, type of casing surface pumprooms, access pits, etc.	a joints, method of finish	concerning difficu ¹⁰¹ 0s encountered, and hing the well, amnt of coment used in erse side.	ple relating to near grouting, blasting, su
SIGNATURE OF D		CORP CETS MAIL ADDRESS	
Tallerne- Males	Registered Well Driller	المساور والمساوي والمنافعة فيناها والمنافعة والمنافعة والمنافعة والمنافعة والمنافعة والمنافعة والمنافعة والمنافعة	usie Au A
ONLIFORM THAT WE GLT		write in space below NS — as Ness.   PORTYNISED   NS	16,815
	1	1	· •

	7					
	[ pa	10/.72	SCONSIN STATE BOARD OF	7EC	`~ ~	$\sim$
	WELL CONSTRUCTOR	'S REPORT TO W	SCONSIN STATE BOARD OF	HEALTH	ik y	ク
		See Instructions	on Reverse Side	SEP	20	
		•		<b>.</b>	~y	
	- W		(Town D . D	SAL	EAL	
	1. County		Town Village Prairic Du-	ــنلاقد	EAG	
	, A. 2	1 ⁻ //	City	•		
	2. Location _ Lini Ne	at the 1	1/128e of			
	3. Owner or Agent Pate	· Haher	- St St S	ec 24	TION RO	É
			<del></del>			
	4. Address R.R. 1	Prajerie	Du Sac			
					er .	
			erft; drainft; sept	tic tank	It;	
	dry well or filter bed 15%	Lft; abandoned well	ft.			
	6. Well is intended to supply w	eater for: Fary	<i>π</i>			
	7. DRILLHOLE OR EXCAVA	ATION:	10. FORMATIONS:			
•	Dia, (in.) From (ft.)	- <del> </del>	Kind	Thick- ness (ft.)	Total Depth (ft.)	
	6 0	300		1	(46)	
	5 300	321	Lep Soil	40	40_	
			Quicksand	336	268	
			Sert Sandstone	21	251	
-			(caving)	<b>-4.</b>	-	
	8. CASING AND LINER PIPE	E OR CURBING:	<u> </u>	0.0	201	
	(in.) Kind	(it) (it)	Sandstene	20	361	
	6 St.J. Black Pice	0 281	Jery Soft Limestor	e 36	331	
	= line Pia	301 321	. /		•.	
	-3 FINE 1 1/2	301 301				
					<del></del>	
		· · · · · · · · · · · · · · · · · · ·		<del></del>	<u> </u>	
	9. GROUT:				<u> </u>	
1	Kind	From To (ft.)	a 5" liver set.	4100	301-3	िं
•	none			0		
•	10116				-	
•		<del></del>		<del> </del> -	<del> </del>	
				<u> </u>		
				<u>L</u> .		
				-1	1	
	11. MISCELLANEOUS DATA:	}				
•	Yield test: Hrs. at	GPM.	Construction of the well was co	mpleted (	on	
					1944_	
	Depth from surface to water: _	ft.	The well is terminated	14	inches	
	Water-level when pumping:	ft.	(above) (below) the permanen	t grade.		
			Was the well disinfected upon		on?	
	Water sample sent to laborator	y at	_	_	X	
	on	19	Was the well sealed watertight		•	
		<b>-v</b>	_	_	-	
		Dan	17	•	o. <del>X</del>	
	Signature Journal of	Conn	or Spring of	Lousa	2	
	Registered Well Dr	iller	Complete Mail A	ddress	-	

STATE OF WISCO DEPARTMENT OF NATURA Box 450

MAR 3 0 1976

NOTE

WHITE COPY - DIVISION'S COPY
GREEN COPY - DRILLER'S COPY
YELLOW COPY - OWNER'S COPY

Madison, Wisconsin

1. COUNTY	Ja	h		<u></u>	ECK ONE	V:U	ONAME ,	0. 1	
2. LOCATIO	N - N & ) 1/2 Se	ection / Se	ction Tow	nship	Range	Village City  3. OWNER ATTIME O	F DRILLING	Me -xt	
A(1)4	4 120			1-1-1	Ē	Em	na Liver	) (x/2	eads.
OR Grid or	street no.	Stre	eet name			ADDRESS	,		
AND -1 f avai	ilable subdivis	ion name, lot	& block no.		<del></del>	POST OFFICE	Periodic De	1	
4. Distance	in feet from	well to nea	rest: Bt	JILDING SAN		FLOOR DRAIN	FOUNDATION DRAIN		TER DRAIN
(Reco	ord answer in a	appropriate bl	ock)	18 1 2.	5 A TILE	C. I. TILE SEWER	CONNECTEDINDEPENDEN	38.4	TILE
CLEAR WAT	ER DRAIN S	SEPTIC TANI	K PRIVY S	EEPAGE PIT	ABSORPTION	FIELD BARN SU	LO ABANDONED WELL	SINK HOLE	
251		35 p	<u>'                                    </u>	55 H	<del> </del>	10010	15 ft per	dpoint	
OTHER POLI	LUTION SOU	RCES (Give o	lescription su	ch as divinp, q	uarry, drainage	well, stream, pond, lake, o	etc.)		-
5. Well is in	tended to su	pply water	for:	The	n 8	Home.			
6. DRILLH	OLE				,	9. FORMATIONS			
Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)	<u> </u>	ind	From (ft.)	To (ft
10	Surface	10		<u> </u>		Topsá	l	Surface	4
_6	10	240		<u> </u>		Same	,	4	15
7. CASING		-		1	7- 46.	l. d	Q1. 0	سے میسر	147
Dia. (in.)	50	(ind and Weigl	<u> </u>	From (ft.)	To (ft.)	Some	1	1/2	
6"	Merva	tride	ok)	Surface	322	San		140	10
_Ato	ef J	4C. 1	9.45/	ft		_ Sand	Rock	170	124
AS	TM	A53	V				Market !!	•	
			•				. Jana de la la la la la la la la la la la la la		
		-							
و. GROUT	OR OTHER	SEALING	MATERIA	<u> </u>	<u>!</u>	10. TYPE OF DRUL	LING MACHINE USED		Т
	Kin			From (ft.)	To (ft.)	Cable Tool	Direct Rotary	🔲 Reve	erse Rotary
	rill &	Min	?	Surface	10	Rotary air w/drifling mud	Rotary — hamme	_:_	ng with
·			١		1	Well construction co	mpleted on	a 23	19 75
11. MISCE Yield test:	LLANEOUS	DATA_	Hrs. at	25	GPM /	Well is terminated	inches	above	final grad
	surface to n	normal water		9a	/n.	Well disinfected upo	n completion	₽ v	es No
Depth to wa	ater level wh	en pumping		92	ft.	Well sealed watertigh	nt upon completion	<b>β</b> 2 γ	'es 🔲 (
Water samp	le sent to			No. of	ma	dison	laboratory on: Que	a 25	19フ;
	ng joints, me	thod of fini					red, and data relating to sub-surface pumprooms	earby wells,	screens, sears.
SIGNATURE						COMPLETE MATE AD	DRESS	<u> </u>	
Scil	line	Stell	el R	egistered We		345 tac	A Ane He	urie A	Su So.
COLIFORM	TEST RESUL	.T	To	Plea AS - 24 HRS		te in space below - 48 HRS. CON	FIRMED REMA	NRKS	

## WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTE See Instructions on Reverse Side

1. County 54111	Town PRAIRE Du S.11.										
2. Location 5'0 55 7	1City Cherk one and give name  9710N SIE										
3. Owner or Agent   Name of individ	McElvi										
	SAISE DI SAC										
5. From well to nearest: Building 50 ft; sewer ft; drain ft; septic tank/06 ft; 10											
dry well or filter bedft; abandoned we	I										
6. Well is intended to supply water for:	FORM										
7. DRILLHOLE:	10. FORMATIONS:										
Da. in.) From fl.: 1 To fl.: 1 Dis. (in.) From fl.; To fl.:	Kind (ft. tfa.)										
4 5 141	CPEN X'ell C 65										
	5AND 45 121										
8. CASING AND LINER PIPE OR CURBING											
Das. (in.)   Rind and Weight   From (ft.)   To (ft.)											
9 5+-1 0 136	- CRCD 24-11										
4 SCREED 136 141											
	RECEIVED										
9. GROUT:	AUS 3-1 1959										
Rind Prom (fix) To (fix)	ENVIRO										
1'ariant 65 45	SANITATION										
	Construction of the well was completed on:										
11. MISCELLANEOUS DATA:	19										
Yield test: 4. Hrs. at 8. GP.	The well is terminatedinches										
Depth from surface to water-level:	above, below [] the permanent ground surface.										
4	the well disinfected upon completion?										
Water-level when pumping: &	Yes No										
Water sample was sent to the state laboratory a											
MADISON OF 8/27 19											
Car State & Siege	No No										
simular set Burnelle	ed ourtage the										
Signature Registered Well Drifter	Complete Halt Address										
Rec'd Nomen	10 m) 10 m) 10 m) 10 m) 10 m)										
And'd	Gas—94 hrs										
Interpretation	48 hrs										
	Condra										
	B. Coll										

# Mueler Forms WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH See Lesserchard on Reverse Side

Sout Line 1 at 11 at	OF VEARING OTHER										
1. County	(Town of Prairie Du Sac City Check one and give main										
2. Location Name of street and number of profiles	or Section, Town and Range pumbers										
S. Owner   or Agent   Jeff 21. ASE 1   Lie Ce   - (Carl Bure Le v. 16 s.m.).											
4. Mail Address A. P. L. Allie Land Sale											
5. From well to nearest: Buildingft; sewerft; drainft; septic tankft;											
dry well or filter bed &C_ft; abandoned well &C_ft.											
6. Well is intended to supply water for: £35.273	10. FORMATIONS:	**********									
7. DRILLHOLE: Die (in.)   From (it.)   To (it.)   Die (io.)   From (it.)   To (it.)	IV. FURSIALIUNG:	Prom 1 To									
6 0 196	Sand	0 116									
	Sand & Fine Grave										
8. CASING AND LINER PIPE OR CUREING:	Sand Sand	130 190									
Dis (Da.)   Kind and Weight   From (PL)   To (RL)	Beavel	120 196									
6 SH BIF C 196											
	REC	THE D									
	120	19 1535									
2. GROUT:		VACNITAL									
Eind   Press (its)   To (its)	ENVIRONMENTAL										
Tune											
	Construction of the well was	completed ex:									
11. MISCELLANEOUS DATA:	Oct 13	1956									
-											
Yield test: 4 Hrs. at 127.		The well is terminatedinches [F] above, below [] the permanent ground surface.									
Depth from surface to water-level: .52	Was the well districted upon completion?										
Water-level when pumping:ft.	Was the well emprecied upon completion?										
Water sample was sent to the state laboratory at:											
Madisen OCT /H. 195k.	Was the well scaled watertight upon completion?										
Cuy	Yes.	No									
0'6	O Lavine France	. 1									
Registered Well Driller	Complete Mail	Adires									
Pirese 46 AM, 9	With the space being										
Red'Lancourant Neumann	10 ml 10 ml	10 ml 10 ml 10 ml									
And	. Gas-84 brs										
Something and the same to the same	# hrs										
(Marie Service - Control of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the serv	Contract 1										
	- Verillian services services										
	. B. O.B	*									
	_ Paramin	<b>V</b> acronom *** **** *									

Mead a nd Hunt, Engineers Varner Well Drilling Co., Contractors, 19 Samples examined by F. T. Thwaites, Nos.135704-135802.

	550' W. of Well No. 1								
ם		0-25	25		Sand and gravel, no samples			24" pipe	
ĸ		25=35	: 10	1 . 0 . 0 . 0 . 0	Grayal, fine to coarse, sandy				
IFT		35-115	os		Sand, medium to coarse, light gray, glacial			<del>-1</del> 40	
		-			•			16" pipe -	
	28	115-128	13		Sand, medium to very coarse, some pebbles			128	
П	$\Box$	128-145	17		Sandstone, fine yel-gray to gray, delomitic	] !			
Ξ		145-175	30		Shale, blue-grav, dolomitic		٠. ا	15° holo.	
A	1	175-180	5		Dolomita, sandy, filty, light gray	] i			
J		180-250	70		Shale, gray, delemitic	1			
3	:	•	ļ			;			
L		•					. 1	•••	
4		•	l			] i	1		
1	[	250-265	15		Siltstone, sandy, very delemitic, gray	-	77	<b>—</b> 257	
2		265-290	25		Sandstone, fine to medium, light gray, dolomitic		i !		
	: 4	36U=30U	19		Siltatone, light gray, delomitie	-	li		
	:-	300 <b>–</b> 33 <i>5</i>	35		Sandstone, fine to medium, light gray, dolomitic				
		335-360	25		Sandstone, medium te cearse, light gray, dolomitic			121 hole	
1		360-385	·25		Sandstone, fine to medium, light gray		"		
		3 85-440	55		Satudstone, very fine, silty, light gray, dolomitic				
1	- }	440-455	15		Sands tone, medium, light gray	1.	! .1		
5	.	452-402			Sandstone, medium to coarse. Light gray	<b>1</b>	1		
	•	465-515	50		Sandstone, fine, light gray				
							1.1	•	
1	² 각	515-540	1,5	• •	Sendat one no serples	1	. 1	•	

ormations: Drift (glacial outwash); Eau Clair; Mt. Simon; pre-Cambrian at ral flow; no pump test Closed in head = +52.8° Flow at +5 after 16 hours = 308 g.p.m.

S. ecific capacity = 6.55 g.p.m./ft.

# APPENDIX E BOREHOLE GEOPHYSICAL SURVEY

W0039213E.APP 6853-12

This Page Intentionally Left Blank.

#### APPENDIX E: BOREHOLE GEOPHYSICAL SURVEY

Appendix E presents the results of a borehole geophysical logging program conducted at Badger Army Ammunition Plant by COLOG, Inc. of Golden, Colorado for the RI program. This appendix is organized to present detailed descriptions of the borehole geophysical logging methods; field operation procedures; quality assurance, log processing, and log interpretation principles; and a summary of key features noted on individual boreholes. Finally, the geophysical logs are presented for each boring evaluated.

#### **E.1 TECHNIQUES**

The five geophysical techniques used at BAAP are natural gamma, non-focused gamma density, dual gamma-gamma (G-G) density, neutron, and induction. These techniques are described in the following paragraphs.

#### E.1.1 Natural Gamma

This log, recorded in counts per seconds, detects relative changes in naturally in all rocks. This log, recorded in counts per seconds, detects relative changes in natural radiation and is commonly used for lithologic identification and stratigraphic correlation. Naturally occurring radiation comes from three principal areas: potassium 40, which occurs with all potassium minerals; thorium 232, which is associated with biotite, sphene, and zircon type minerals; and uranium 238. The typical radial depth of investigation from the center of the well of the natural gamma probe is approximately 10 to 12 inches. In general, the gamma radiation level was low in the BAAP wells, indicating a low percentage of radioactive clay minerals in the subsurface layers penetrated by the boreholes.

### E.1.2 Non-focused Gamma-Gamma Density

The 4 pi G-G density log is a qualitative measurement of density made using a non-focused probe with a source-to-detector spacing of 20 inches and a radioactive source of 100 millicuries of cesium 137. This measurement responds to changes in the electron density immediately surrounding the probe in all directions. It is affected by well construction, drilling disturbances, and formation changes. It is extremely sensitive to fluid in the well and is an excellent indicator of the water level in a casing. This log provides information on changes in formation parameters, such as porosity, and commonly reflects well construction and completion features. Because this tool is not internally focused, it should

not be as affected by localized channeling or other conditions in one direction from the well bore as a focused density measurement may be.

### E.1.3 Dual Gamma-Gamma Density

The dual G-G density measurement is a quantitative density measurement using a focused probe. This probe has two receivers (radiation detectors) at approximately 8 and 14 inches from a radioactive source (100 milli-curies of cesium 137). This probe is decentralized in the well with a single-arm caliper, and consequently senses the formation in one direction from the well or borehole. The near receiver has a shallower depth of investigation than the far receiver and should be more affected by construction and completion features of the well. This logging technique provided some quantitative densities relating to the completion of the well and to the formation.

#### E.1.4 Neutron

The neutron log consists of a l-curie americum 241 (beryllium activated) radioactive source and a thermal neutron detector (He+3). The source-to-detector spacing is approximately 14 inches and the log is non-focused. Thermal neutrons are absorbed primarily by hydrogen, chlorine, and boron with water and the PVC casing being the primary sources of these elements in the BAAP boreholes. Since the PVC casing is nearly uniform in thickness, the changes in the neutron log should be almost entirely related to changes in water content or saturation in and around the well borehole. The neutron log provided additional information on lithology by showing low response counts per second opposite clay layers (higher porosity) in contrast to higher count rates opposite sands and gravels (lower porosity). Well completion may also affect the neutron log response if the backfill or grout varies appreciably in diameter.

#### **E.1.5** Induction

The induction measurements were collected using a Geonics EM39 logging system and included a quadrature component of the induced electromagnetic field. Measurements can be converted to bulk electrical conductivity, and an in-phase component converted to magnetic susceptibility. The tool uses a transmitter coil, a receiver coil, and a focusing coil. It operates at 39.2 Khz and can penetrate through PVC casing into the vadose and saturated zone. The focusing coil causes measurement sensitivity to peak at the distance of about 12 inches from the borehole axis. Therefore, significant borehole effects should not occur when used in boreholes that range from 2 to 8 (or 9) inches in diameter. Due to the nature

W0039213E.APP 6853-12

of the conductivity measurement, it is not possible to accurately resolve resistivity in environments greater than about 200 ohm-m.

This tool measures a bulk conductivity that is the result of electrical properties of both the geologic materials and the resistant groundwater. In general, conductivity will increase as clay content, fluid content, and the ionic strength of water individually increase. Because of these relationships, it may be difficult to identify contaminated groundwater in sediments that contain variable amounts of clay. In these environments, comparison of the conductivity log to the natural gamma log may enable discrimination between clayey sediments and zones of contaminated groundwater. However, it is important to note that very small variations in clay content may result in large changes in conductivity. These small variations in clay content may exceed the resolution of the gamma log.

#### **E.2 FIELD OPERATION PROCEDURES**

The wells were logged at a maximum rate of 20 feet per minute, and the digital sample interval was set at 0.5 feet. Analog records were collected simultaneously with the digital records, but were used only as assurance of correct tool performance. The digital data were processed for the final log generation and interpretation.

Digital data processing consisted of correcting depth offsets of the different probe configurations, filtering of the radioactive measurements, converting conductivity in ms/m to ohm-m, combining individual probe runs to a single file, and eliminating the induction data above the bottom of the steel surface casing.

All probes and the logging cable were steam cleaned between probe runs to minimize cross-contamination potential from the logging process.

### **E.3 QUALITY ASSURANCE**

All of the radioactive logging probes and modules conformed to U.S. Bureau of Mines (USBM) calibration standards and were validated in test holes at the Denver Federal Center prior to mobilizing on this program. All of the probes performed within the manufacturers specifications in these wells. The EM-39 was checked both in Colog's office and in the field with a Q-coil, a specialized calibration standard, and performed within the manufacturer's specifications.

The same equipment was utilized for logging all wells. All data were recorded in the simplest form and then corrected, filtered, and processed. Additionally, an audit trail (file) was automatically made that showed the changes made to the raw data. Logging trip reports and daily logs were filled out for each hole and each day in the field. These records document all equipment serial numbers, when they were used, borehole conditions, weather conditions, logging speed, sample interval, engineer(s), witness(es), and digital file names.

The raw analog and digital data were checked for correct tool operation as each borehole was being logged. Field prints of the digital data were made on-site, prior to moving the equipment off the borehole, and checked for inconsistencies. All of the digital data were backed up onto a secondary storage media prior to moving the equipment off the borehole. Paper log prints of the processed well logs were made in the field and copies of the digital data were provided to Jordan prior to demobilization from BAAP.

Depth values were all referenced to the top of the Schedule 80 PVC casing of each well. The distance to ground level from this casing top is noted on the log header. Potential depth errors, which are the difference (in feet), when the probe was rezeroed at the casing top of each well after completion of the logging run, were recorded for each probe. The maximum difference was 0.9 feet in several of the deeper Propellant Burning Ground wells and was much less than this for most of the other wells.

The first well (DBN-89-04B) and final well (SPN-89-05B) were logged twice with all probes. These logs were checked for repeatability prior to demobilization from each of these wells. Correlation between the different logs and similar response in all of the boreholes also served to check the accuracy and consistency of the log data.

#### **E.4 LOG PROCESSING**

Processing report forms were filled out as the raw data were processed. The forms may be used to reconstruct the processing steps including filters used, sample intervals, trace cutoff depths at fluid level, any merge points, and any log calculations.

All of the log data were recorded in the simplest form and then corrected, filtered, and processed. Additionally, an audit trail (file) was created that shows all changes made to the raw data.

The initial processing step for all of the raw data files was to remove any duplicate depths and any obviously bad data. The next step was to select a constant sample interval (0.5 ft.),

6852-12 W0039213E.APP

filter the data as necessary to remove random noise, depth align the log traces, and convert the log values to numbers based on instrument calibration. Filtering was accomplished by applying an appropriate equation systematically throughout the entire depth interval of a log to smooth-out statistically non-representative peaks and lows, particularly characteristic of natural gamma radiation logs.

Additionally, many of the log values were recorded in several different formats, and these duplicate traces were deleted from the final files after checking for consistency.

The dual receiver gamma-gamma density log was compensated in the standard manner, but the compensated log did not appear to be correct below water level. The logs were then replotted separately as individual apparent densities for the short-spaced detectors (SSD) and the long-spaced detectors (LSD). This presentation was determined to be more useful for interpretation.

As a final processing step, the separate log files from each run were merged into one master data file, reconciling the individual logs to a common depth scale. These log composites facilitated interpretation by presenting all of the log data from each well at a vertical scale of one inch equals 15 feet where they were compared and evaluated together.

#### **E.5 LOG INTERPRETATION PRINCIPLES**

Interpretation of geophysical logs was accomplished by noting the various unit values of baseline response on each log and by assessing the continuity of anomalies from one log to another. The geophysical logs were then judged for formation representativeness based upon each probe's depth of investigation and apparent well construction effects.

Well construction and uniformity or competency of the borehole annulus and grout backfill may significantly affect radioactive logs, especially the SSD log. The induction log is generally not greatly affected by the well itself. Realistically, most of the log anomalies would be attributable to geologic or groundwater changes in the formation, if well construction features were uniform along the entire borehole.

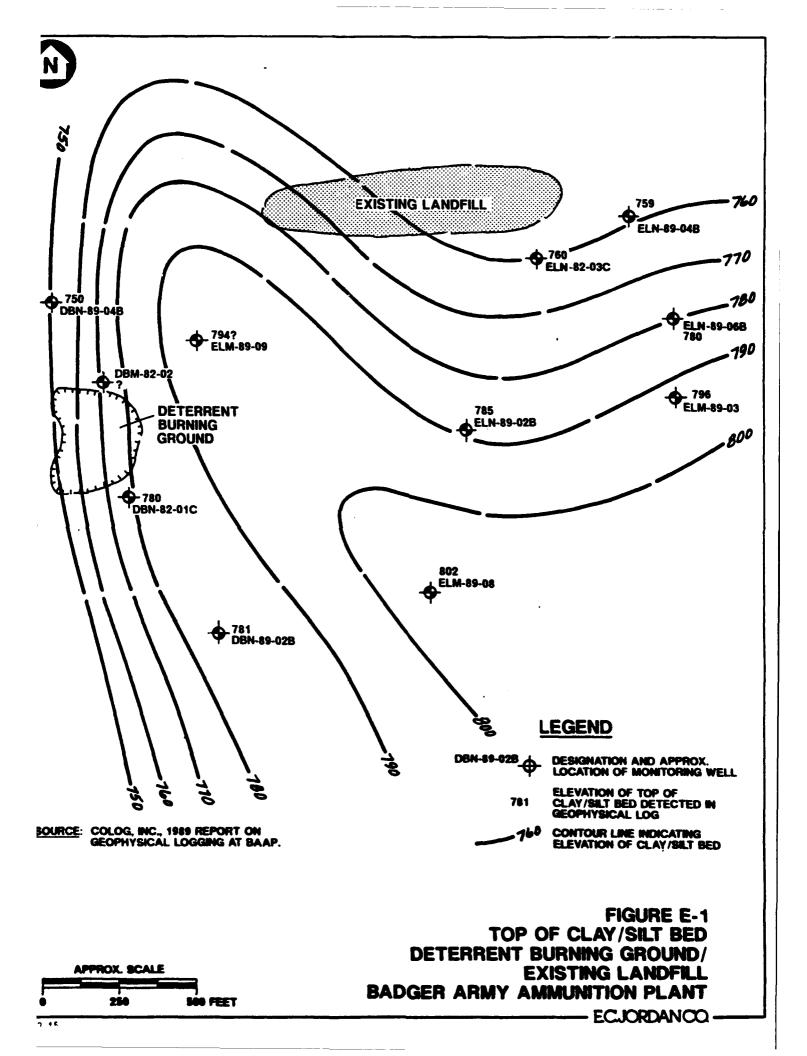
#### E.6 SUMMARY OF LOGGING RESULTS

The following summaries were prepared by Colog in order to identify key features noted in each geophysical log. This is followed by a discussion of stratigraphic correlation between

W0039213E.APP 6853-12

wells in the Deterrent Burning Ground and Existing Landfill area. This includes an interpretation of the surface elevation of the clay/silt bed (Figure E-1). Finally, the geophysical logs for each individual well are presented.

W0039213E.APP 6853-12



### SUMMARY OF KEY FEATURES ON INDIVIDUAL HOLES

#### Abbreviations:

Fluid Level - F.L.
Bentonite Seal - Seal
Concrete cap - Conc. Cap
Clay/Silt Bed - CSB

Gravel or Sand Pack - G.P. Conductive zone - Cond. Special Notes - S.N.

## Deterrent Burning Ground

### Well DBN-82-01C

F.L. = 128'; G.P. = 151'-TD and 120-130'; seal 130-151'; Conc. Cap 17-25'; Voids in Grout = 4-5' & 14-17'; CSB = 124-142'; S.N. = Cond. = 120-142' of which 120-124' may be contaminates upon CSB. The upper gravel pack may be partially to heavily saturated even though it is above F.L. This is based upon similar apparent LSD density with the lower saturated G.P. and neutron log anomalies.

## Well DBN-89-04B

F.L. = 141'; G.P. = 177'-TD; Seal 173-177'; Voids in Grout = 118-124'; CSB = 163-174'; Cond. = 135-162' may be conductive plume on top of CSB; S.N. = LSD of CSB = 2.0 gm/cc & LSD of GP = 2.0 gm/cc.

## Well DBM-82-02

F.L. = 135'; G.P. = 123'-TD; Seal 112-123'; Conc. Cap 18-24': Void in Grout = near surf.; no CSB noted; Cond. FL-TD.

## Well DBN-89-02B

F.L. = 107'; G.P. = 139'-TD; Seal = 130-139'; No voids in Grout detected; CSB = 104-109' & 134-138'; possibly CSB 39-44' & 62-78'; S.N. = Gamma ray is significantly higher in this well overall than in other wells by 30% or more. No well construction diagram available.

# Existing Landfill Area

## ELN-89-02B

F.L. = 142'; G.P. = 157'-TD; seal not obvious may be poor at 147-155' & 156-157'; voids in grout = 65-80' & 125-135'; Fine-grained "perched moisture" = 94-102' which correlates with 98-110' in well ELN-89-06B; Fine-grained "perched moisture" also from 40-50'; more dense = 37-42', 50-58', and 103-114'.

## ELN-89-04B

F.L. = 149'; G.P. = 189'-TD; Seal 186-189'; voids in grout 70-80' (note probable channeling of cement shown as difference between 4 pi and LSD responses) & 125-137'; CSB = 48-53', 169-173', 178-184', & 193-195'; more dense 35-54', 84-98', 108-109', & 117-120'; Cond. = 12-18', 27-33', and 135-188' increasing with depth. The upper two conductive zones may be "fine-grained perched moisture" or related to contamination.

## ELM-09-03

F.L. = 138'; G.P. = 115-TD and is saturated below F.L.; Seal = 110-115 & ?117-120'; no large air voids in grout; CSB = 120-124'-?138'; possible CSB = 100-110' w/ slight increase in neutron & 32-46' w/ decrease in neutron cps and increase in LSD; slightly cond. 28-50'? silty or contaminates?

# ELN-89-06B

F.L. = 130'; G.P. = 172'-TD; Seal = 157-172'; voids in grout = 23-52', 69-82', & 128-129'; CSB = \text{Y130-155'}; Fine-grained perched moisture" = 98-110' (which correlates w/ similar zone form 94-110' in ELN-89-02B); more dense 112-128'; cond. = 153-159'?

# ELN-82-03C

F.L. = 148'; G.P. = 150'-TD; seal not obvious may be 130-140'?; no large air filled voids detected in grout; CSB = 160-164'; Gamma ray increase 164'-TD; more dense 80-110' (LSD is greater than 1.7 gm/cc); Cond. 143-164' which may indicate contaminates perched on CSB.

# ELN-82-02C

F.L. = 138'; G.P. = 147'-TD; Seal = 130-147'; Small void or channel in grout'may occur 14-17'; CSB = 72-78', 83-87'; Cond. 133-TD ?contaminates; more dense per LSD 60-110'.

### ELM-89-08

F.L. = 127'; G.P. = 125'-TD; seal 118-125'; void in grout 8-29'; CSB = 105-108' & 117-120'? which may be due to bentonite in seal; silty 108-117' the gamma ray is not consistent with boring log which indicates cobbles in this area which may be supported by the neutron log.

### ELN-89-09

No well const. diagram was available for this well; F.L. = 140'; G.P. = 140'-TD and is saturated; seal is not obvious; void in grout surf-25'; CSB = 128-132'; Cond. 122-130' possible contaminates on CSB & cond. 137'-TD with a low gamma ray?; more dense 30-55'.

## Propellent Burning Ground

## PBN-89-10D

F.L. = 111'; G.P. = 199-212' and fill 212-TD?; seal is not obvious from log responses? 192-199'; Void in grout 13-40' & 107-110'; silty 80-112? from GR; fine-grained "perched moisture" 32-45'; Cond. = 109-170' and 187-202' which are characterized as low neutron cSp and low gamma cps which may be very fine sand w/ no clay or silt?; more dense 55-71', 78-83', 87-91', 93-99', 154-157', 167-190', & 199-212'; No obvious correlation between the boring sample description log and the well logs.

## PBN-89-01D

F.L. = 102'; G.P. = 119'-TD; Seal is not obvious; CSB = 68-82' characterized by low neutron, conductive, high gamma, and low apparent density; well is overall conductive with 190-215' being more conductive; may be gravels at 167-188'; no obvious voids in grout; there is no obvious correlation between the boring sample description log and the well logs.

#### PBN-89-04C

F.L. = 90'; G.P. = 168-TD?; seal is not indicated from logs, but seal is suppose to be located in an apparent gravel zone; void in grout = 37-50'; fine-grained perched moisture = 19-30' & 65-71'; move dense from 140-169'; overall this well has a good correlation with the boring log description and the induction conductivities, e.g. 71-88' = gravel & low cond., 122-139 = fn-med. sand w/ higher cond., 139-153' = gravel w/ low cond.

### PBN-89-03C

F.L. = 75'; G.P. = 140'-TD; seal = 137-140'; CSB = 133-145'; More dense 28-65' & 80-125'; cond. = 0-7' & 16-25'; there is a good correlation between apparent lithology and the induction log, eg. 98-101 = gravel, 139-TD = gravel, both with very low apparent conductivity.

## PBN-89-02C

F.L. = 126'; G.P. = 170-TD;, Seal 164-168' note construction diagram indicates seal at 175-182'; gamma ray from 88-125' correlates with well PBN-89-03C from 40-72'; Cond. above 17', 126-175' with 148-153 and 160-170 very high which may be contaminates; gravel indicated from induction at 100-120'.

## PBN-89-11

Boring log describes this well as an auger well versus reverse air for the other wells; F.L. = 107'; G.P. = 106-TD & 87-96' which appear saturated, 96-107' may be dry; seal = 75-80'? neutron and density logs suggests that the seal maybe dry or only partially hydrated; CSB = 75-83'; finegrained perched moisture = 57-78', near surface conductive from surf. - 16'; Void in grout 48-58'; more dense form 20-27' & 87-95'.

## PBN-89-12B

F.L. = 89'; G.P. 129'-TD; Seal = 112-129'; CSB = 52-62' & 78-88' w/ high LSD; no obvious voids in grout; Cond. 100-130'; more dense above 15', 53-63', & 78-87'.

# PBN-82-03C

F.L. = 87'; G.P. = 101-'TD; Seal 65-101'; Second G.P. = 53-65'; void in grout = 10-15', there are no cond. zones; CSB = 54-85'; more dense 18-28'.

# PBN-82-05C

F.L. = 105'; G.P. = 103'-TD; seal is not apparent from log response; void in grout 7-9' & partial void 87-104'; no conductive zones; more dense 20-45' & 73-80'.

#### PBN-82-01C

F.L. = 108', G.P. = 108'-TD; seal appears good from 88-101' and poor from 68-88' & 101-107'; no conductive zones; CSB = 77-100' more dense from 9-11' & 125-128'.

#### PBM-89-09

F.L. = 107'; G.P. = 107-TD saturated and 104-107' dry; no apparent seal; CSB = 87-95'; fine-grained perched moisture = 43-46' & 77-83', cond. 12-18' may be related to near surface moisture; more dense 16-20', 42-45', 52-64' 70-77' 82-105'.

## Landfill No. 1

## LON-89-02B

F.L. = 147'; G.P. = 174'-TD; Seal? possibly 152-163 & 163-174' as opposed to construction diagram which indicated 177-183'; CSB = 65-75' ? 118-130' & 140-150'; Cond. = 143-188' which may be contaminates; no obvious air filled voids in grout; more dense 23-66', 89-91', 107-176', & 147-150'.

## LOM-89-01

F.L. = 142'; G.P. = 142'-TD which is saturated and 130-142' which is dry; Seal may not be hydrated at 121-126' based on high apparent densities or 125-130 based upon gamma cps increase; CSB = 120-130' silty 112-120'; Cond. 140'-TD., no obvious voids in grout.

# Settling Ponds

## SPN-89-04C

F.L. = 38'; G.P. = 100'-TD; Seal 94-97' ?97-100 seal/sand mix; CSB = 80-90' w/ high density 81-85'; very cond. 60-99'; ?silty 24-33'; more dense 13-19' & 23-27'; ? gravel 43-49'; overall conductivity is higher indicating finer grained material than wells at north end of project area.

### SPN-89-05B

F.L. = 40'; G.P. = 71'-TD; Seal is not obvious may be 65-71'; no obvious air filled voids in grout; CSB 43-46'?; Cond. = 52-62' and 63-70 w/ very low neutron cps and LSD = 1.5 gm/cc maybe very fine grained material?

#### SPN-89-03C

F.L. = 52'; G.P. = 122-128'; Seal = 115-122'?; void in grout = 43-47', no obvious CSB; Cond. above 12', 18-20', & 52-87'; more dense 30-43', 43-52', and 100-115'. Overall fine grained material throughout well.

#### SPN-89-01C

FL. = 65'; G.P. = 109-117'; Seal 104-109' but poor?; Low density 65-71 similar to response for seal; void in grout = 59-64'; more dense 32-37', 40-59', very dense 50-59'; cond. 25-40' w/ low neutron may be fine-grained "perched moisture"; Cond. 63-107'? contamination?

# SPN-89-02C

F.L. = 57'; G.P. is not obvious; no seal is indicated; CSB = 79-83' or maybe silty; Cond. 57-100' and very cond. 77-80'; fine-grained "perched moisture" = 40-46'; overall fine-grained background.

### STRATIGRAPHIC CORRELATION BETWEEN WELLS

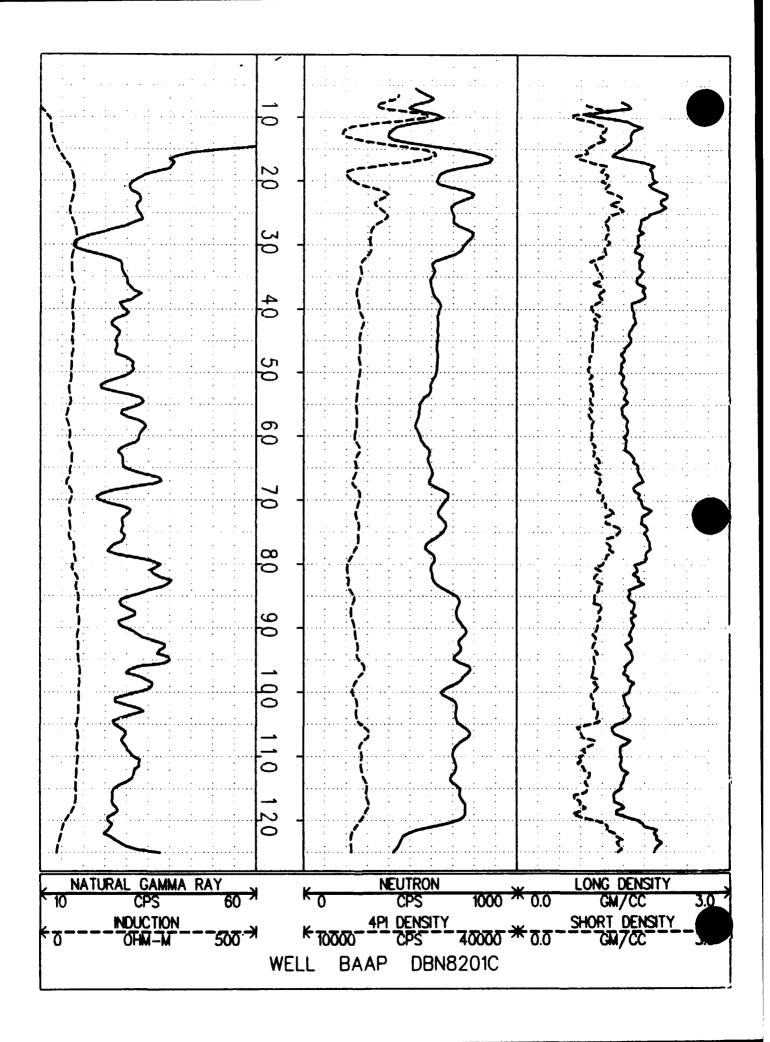
The gamma ray and the induction logs are the least affected by well completion and borehole effects, and are therefore the basis of which stratigraphic correlation were made. The induction logs appear to respond to other features including but not limited to clay or silt content such as possible contamination and or partial saturation of the formation above fluid level.

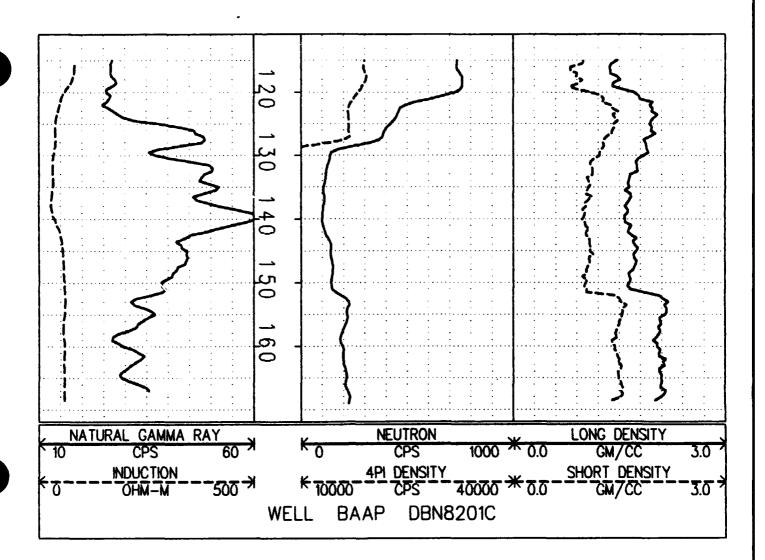
It seems likely that most of the wells in the Deterrent Burning Area and in the Area of the Existing Landfill could be correlated based upon the gamma ray log. The depth to a correlatable bed follow:

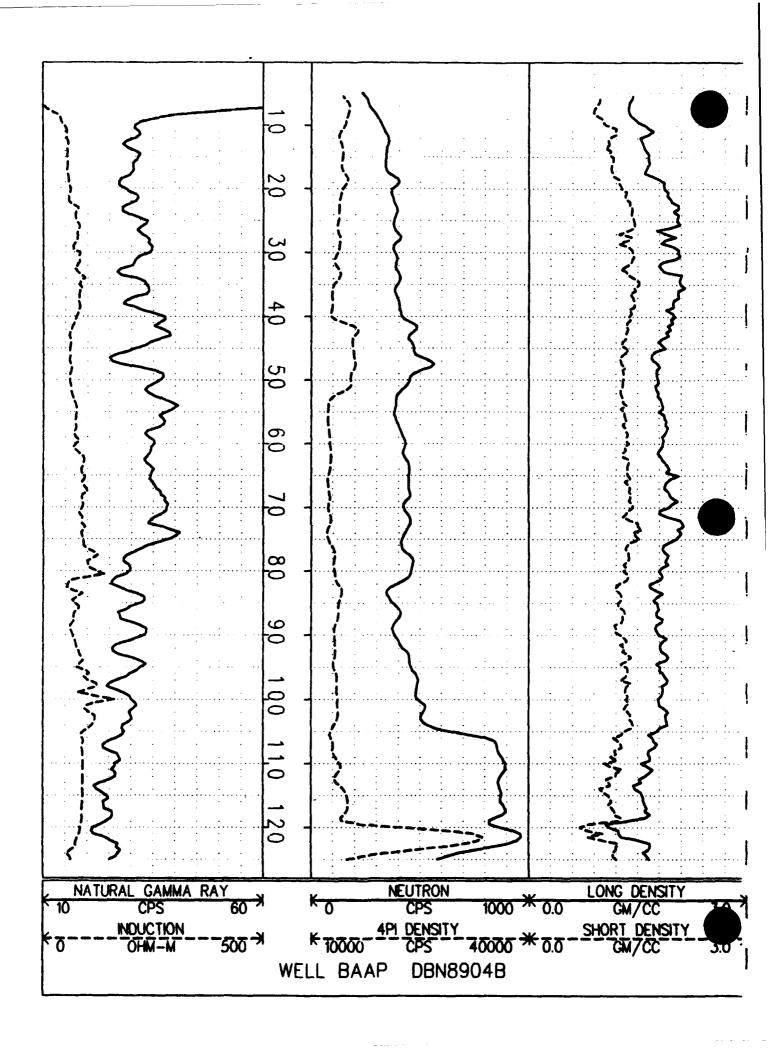
	elev. well riser	elev. marker
125'	905	780
162'	920	758
106'?	887	781
160'	920?	760?
120'	916	796
104'?	906	802
128'	908	780
168'	927	759
135'	920	785
128'	922	794
	162' 106'? 160' 120' 104'? 128' 168' 135'	well riser 125' 905 162' 920 106'? 887  160' 920? 120' 916 104'? 906 128' 908 168' 927 135' 920

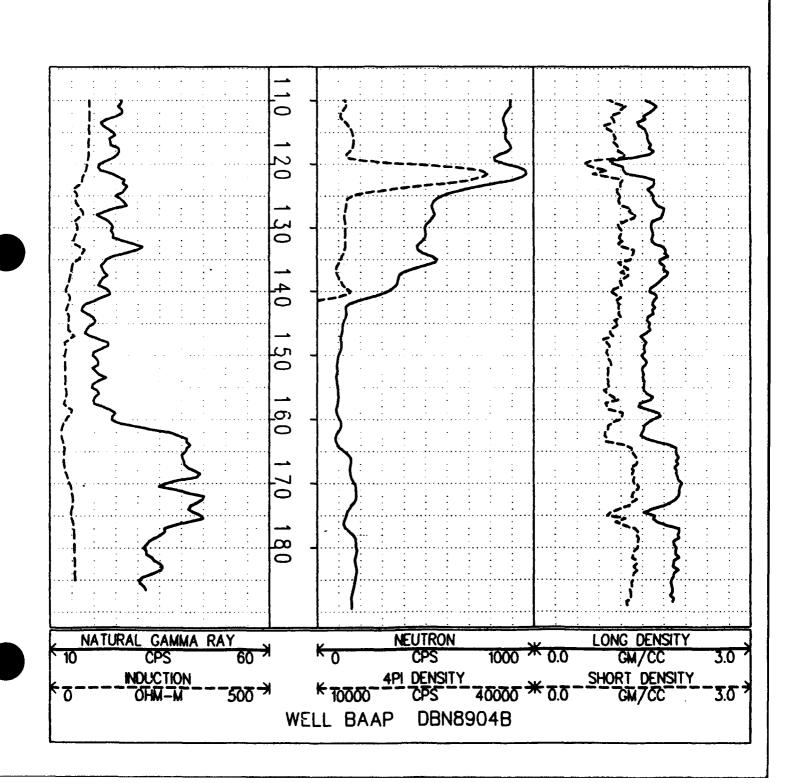
DBN-82-02 may correlate with DBN-89-04B at  $54^{\circ}$ ,  $76^{\circ}$  and  $85^{\circ}$  in each well. The deeper CSB used to tie these other wells in is not apparent in DBN-82-02.

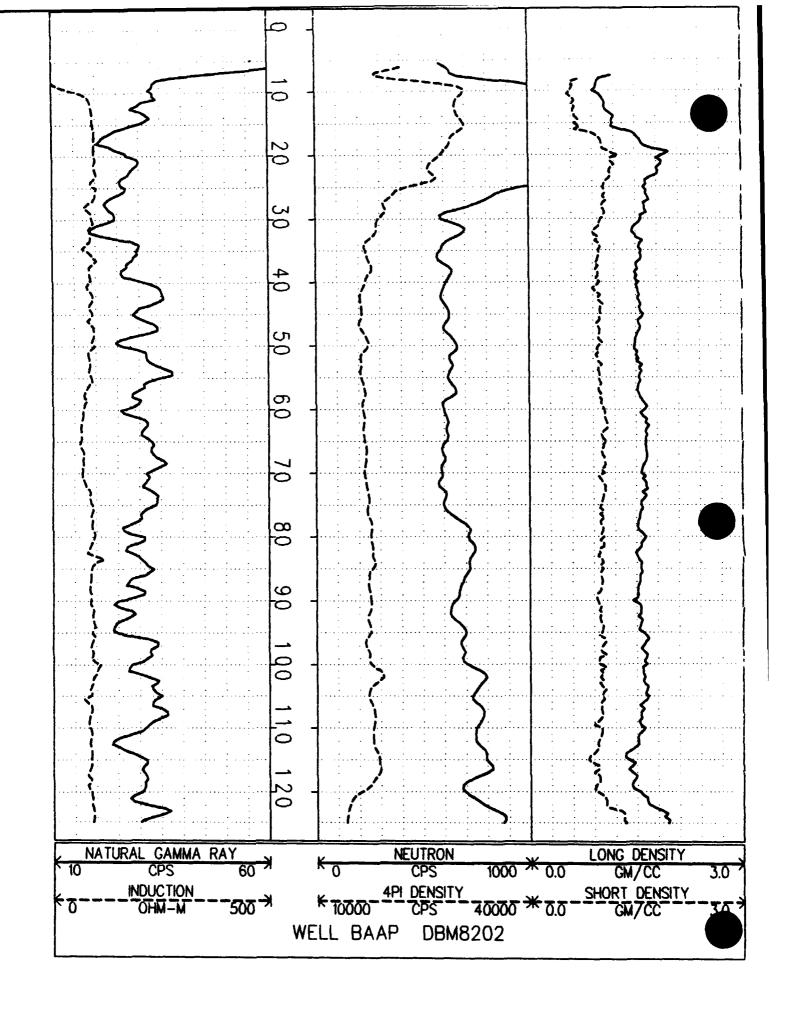
An apparent structure map of the top of this clay bed is included with this report as Figure E-1.

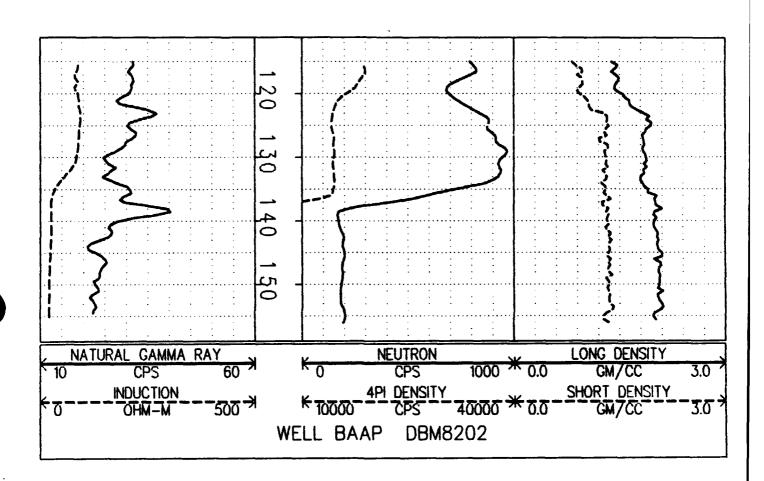


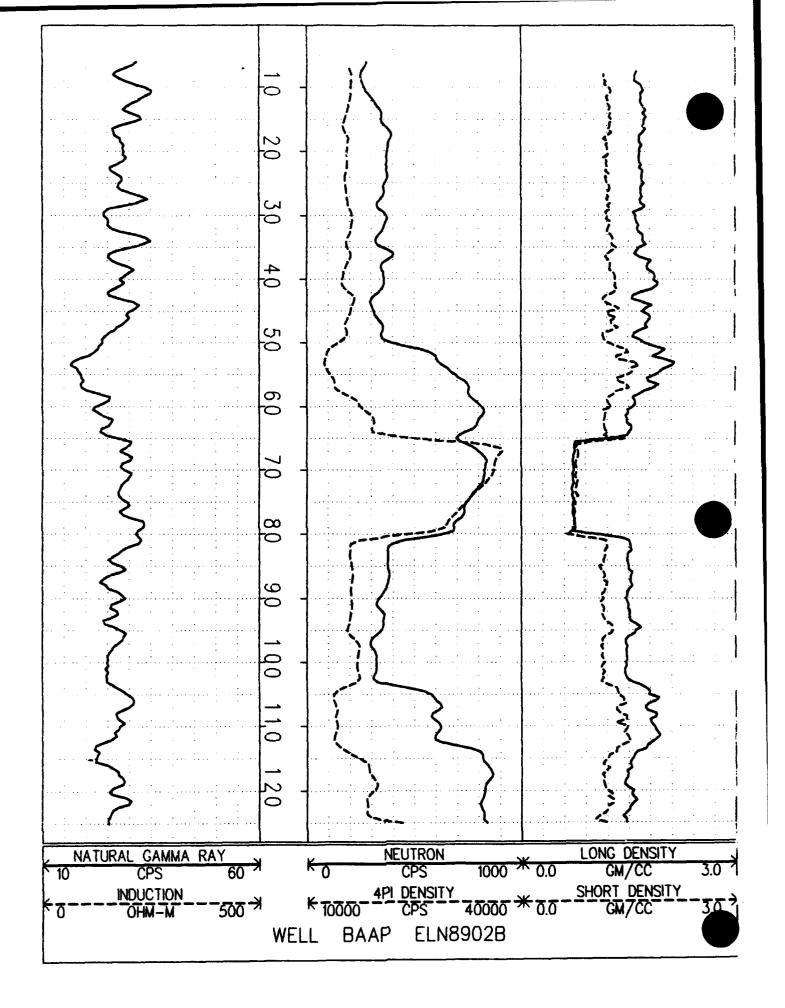


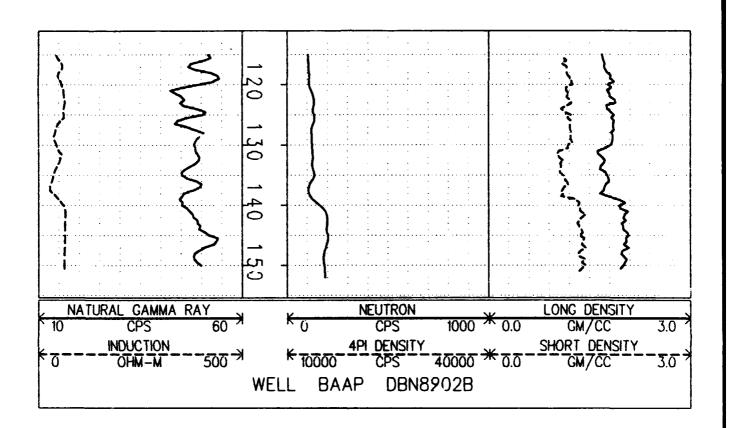


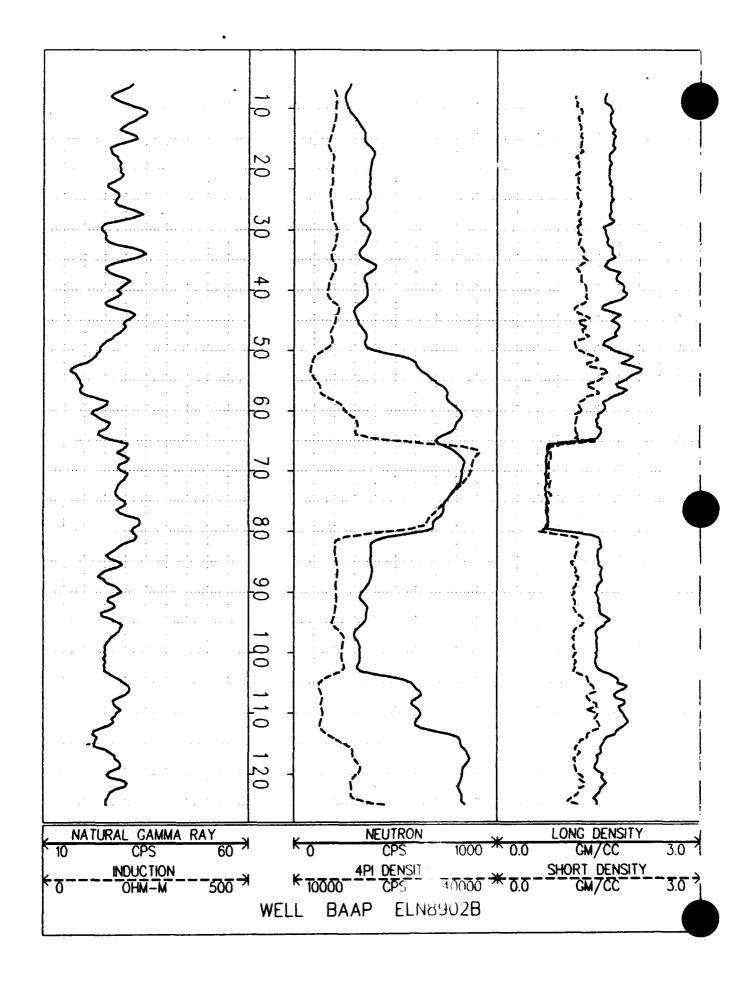


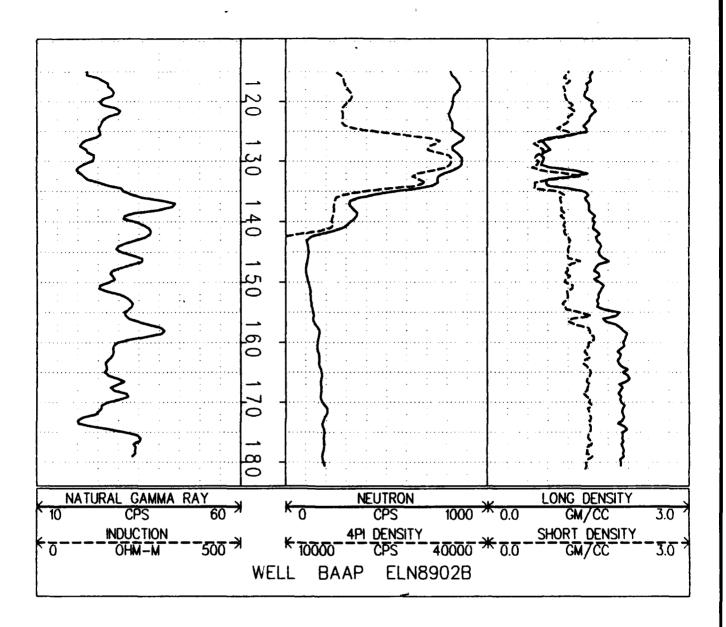


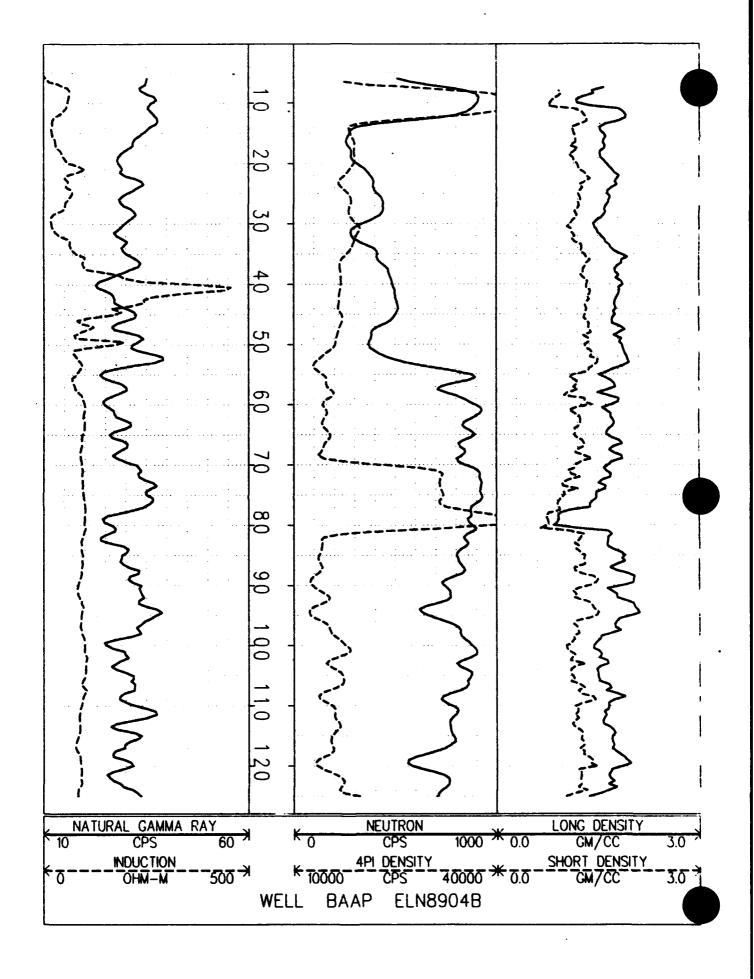


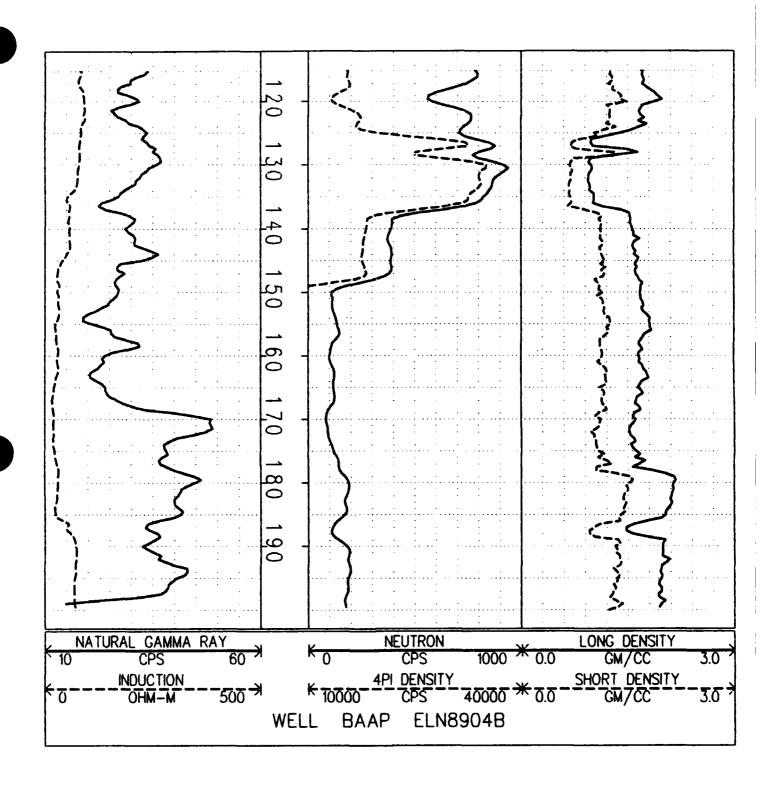


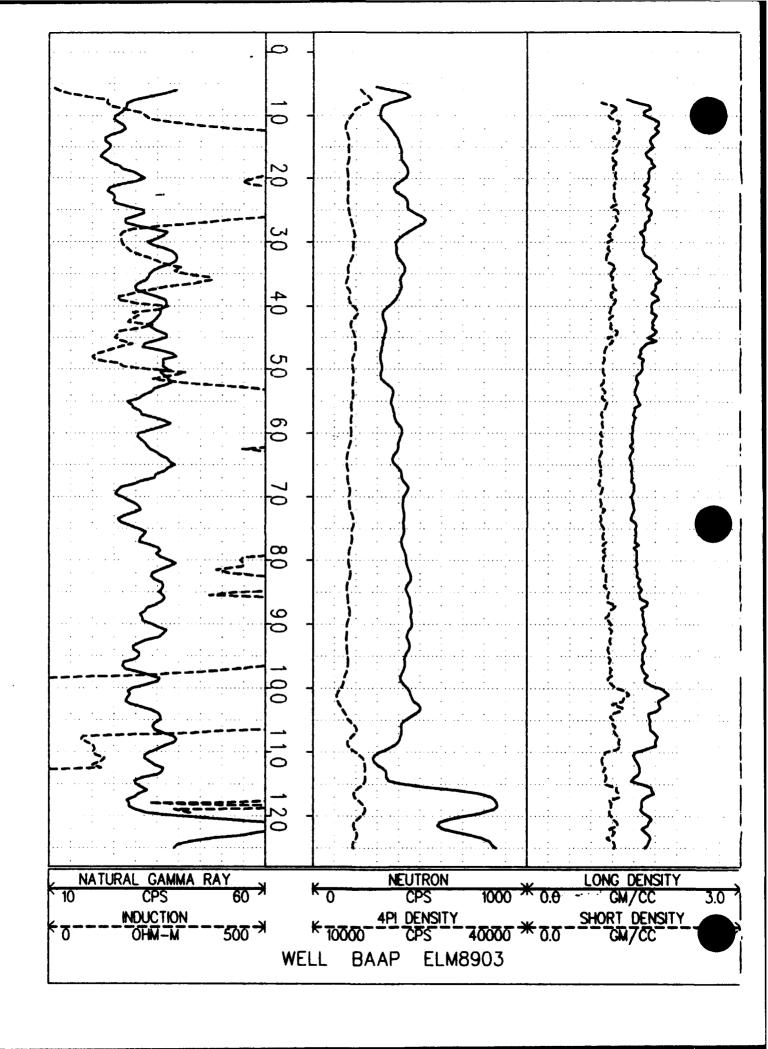


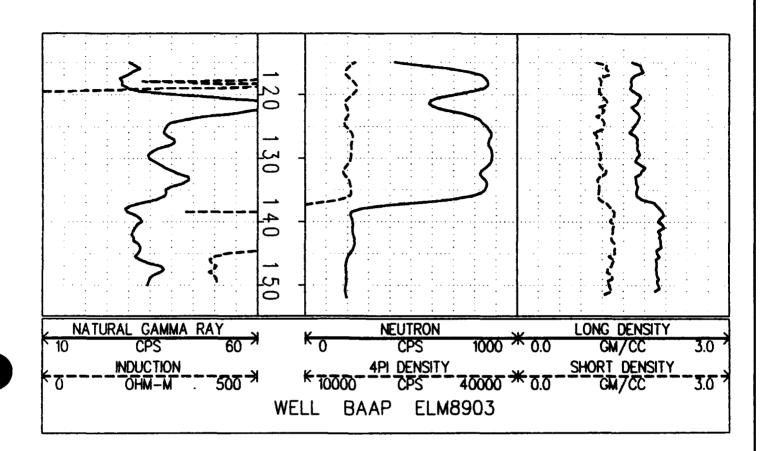


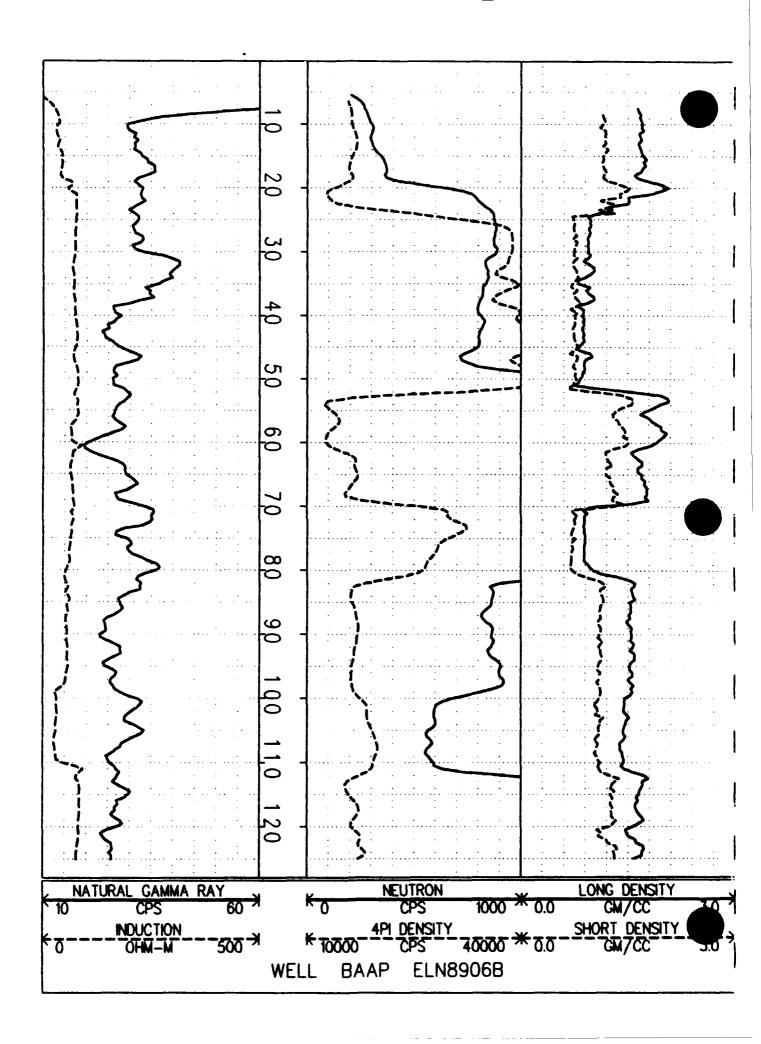


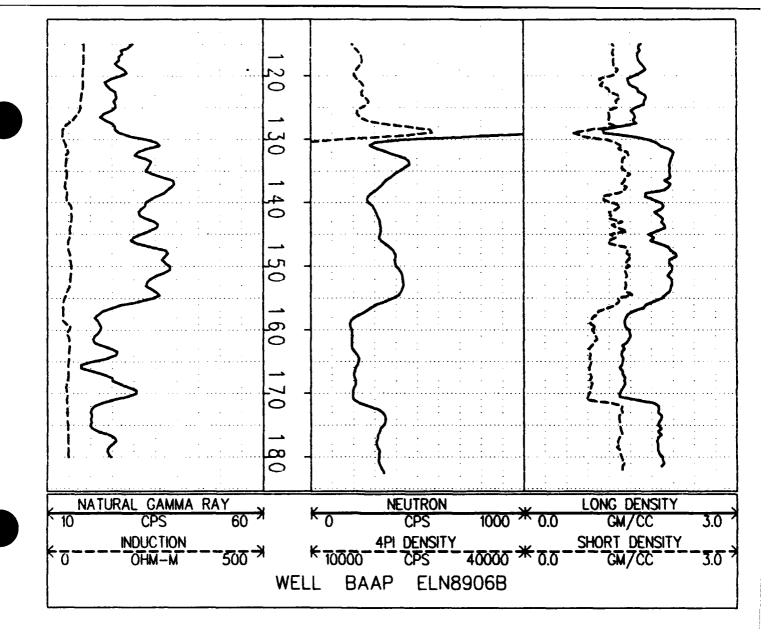


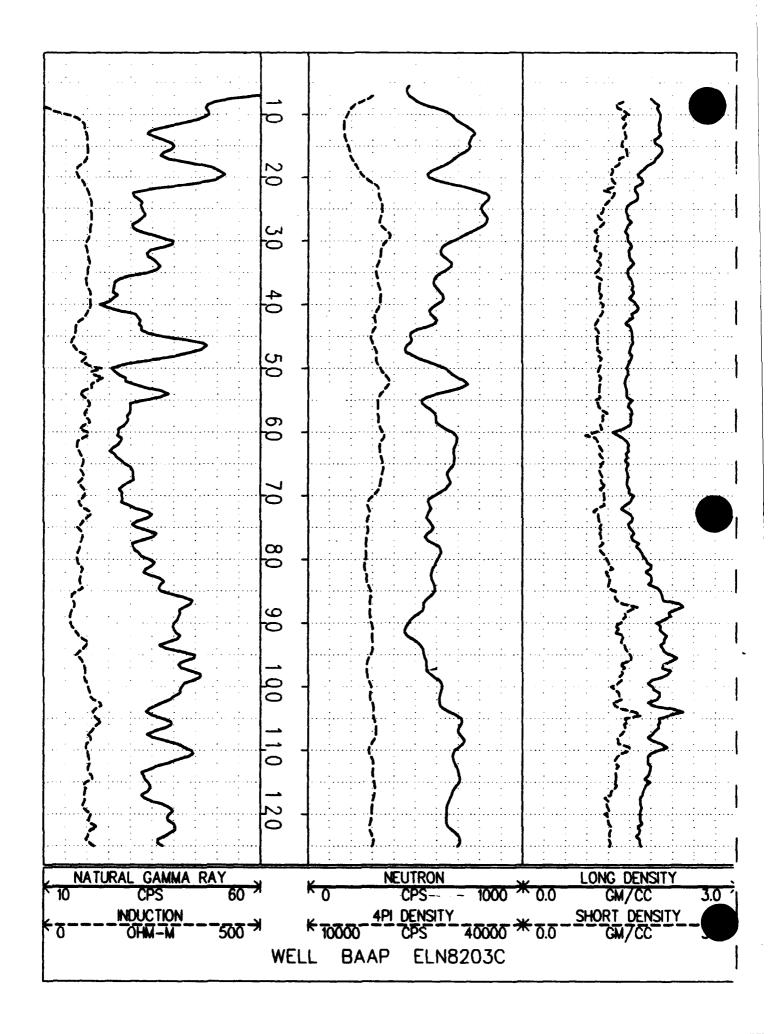


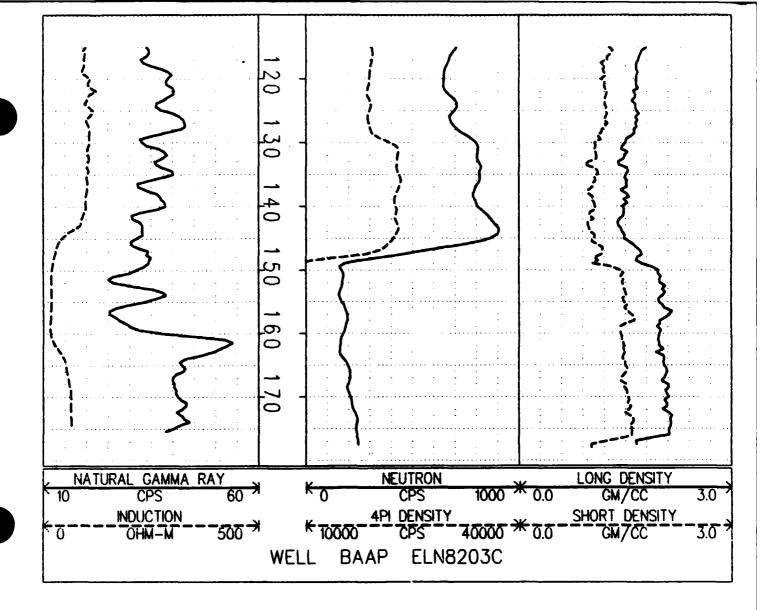


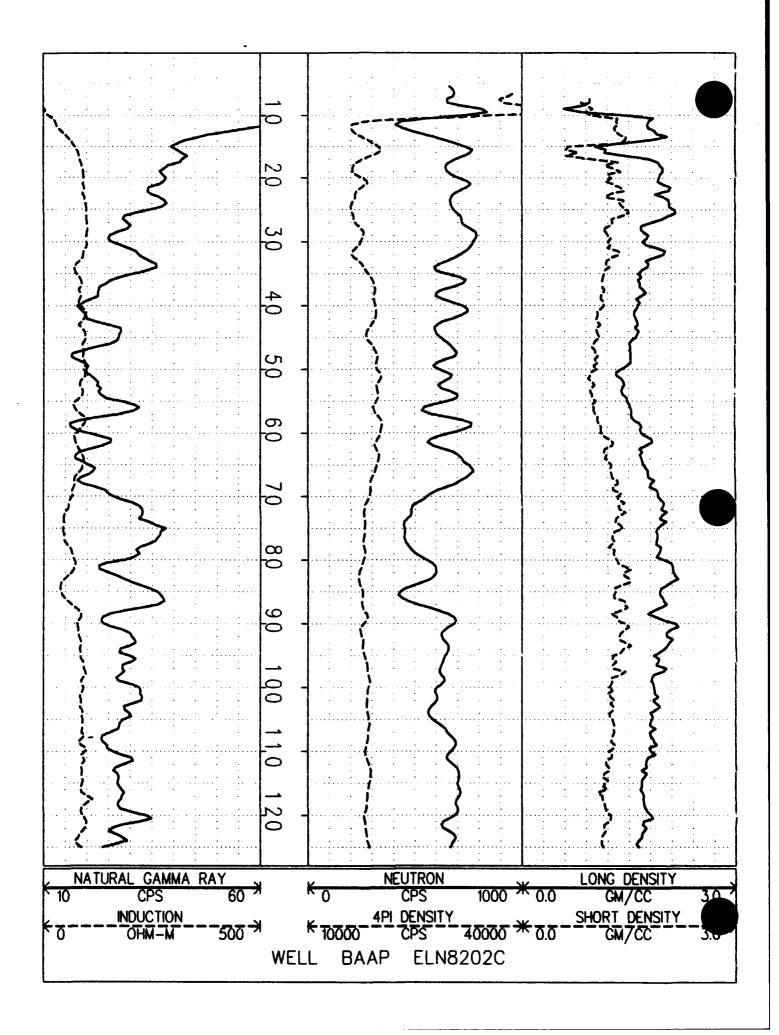


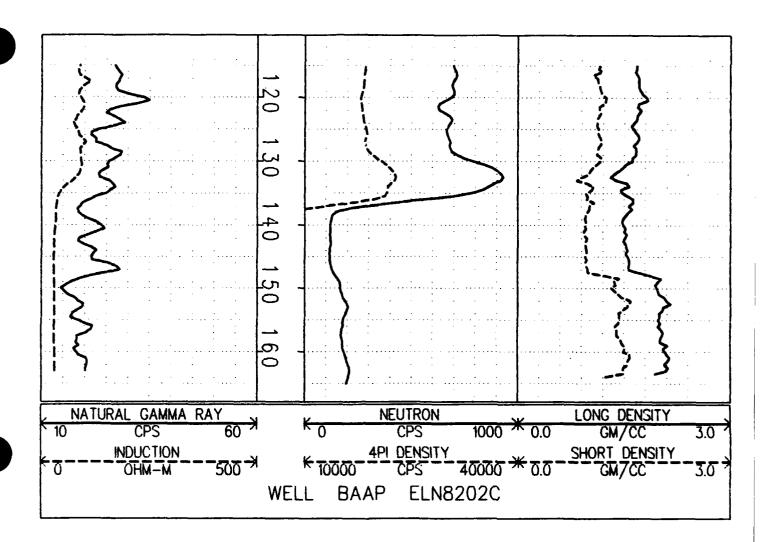


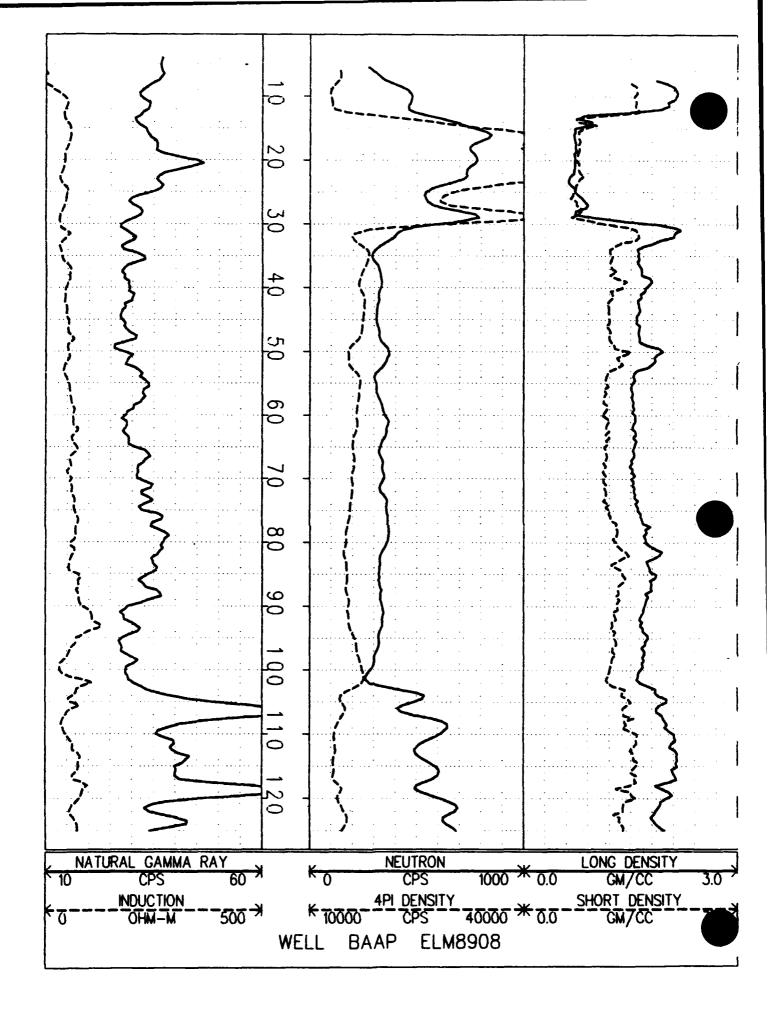


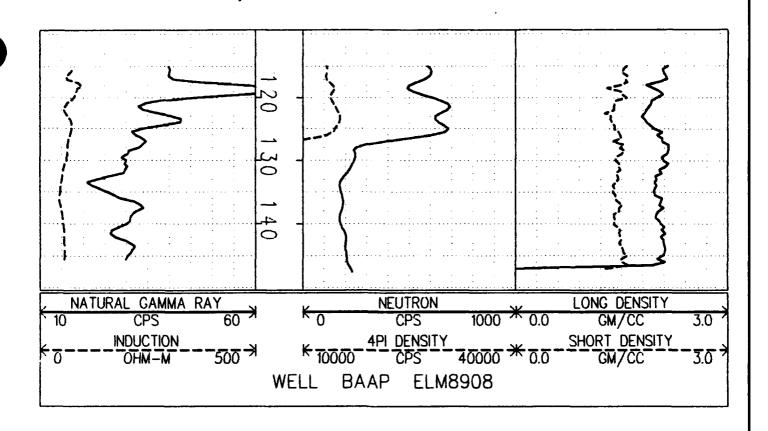


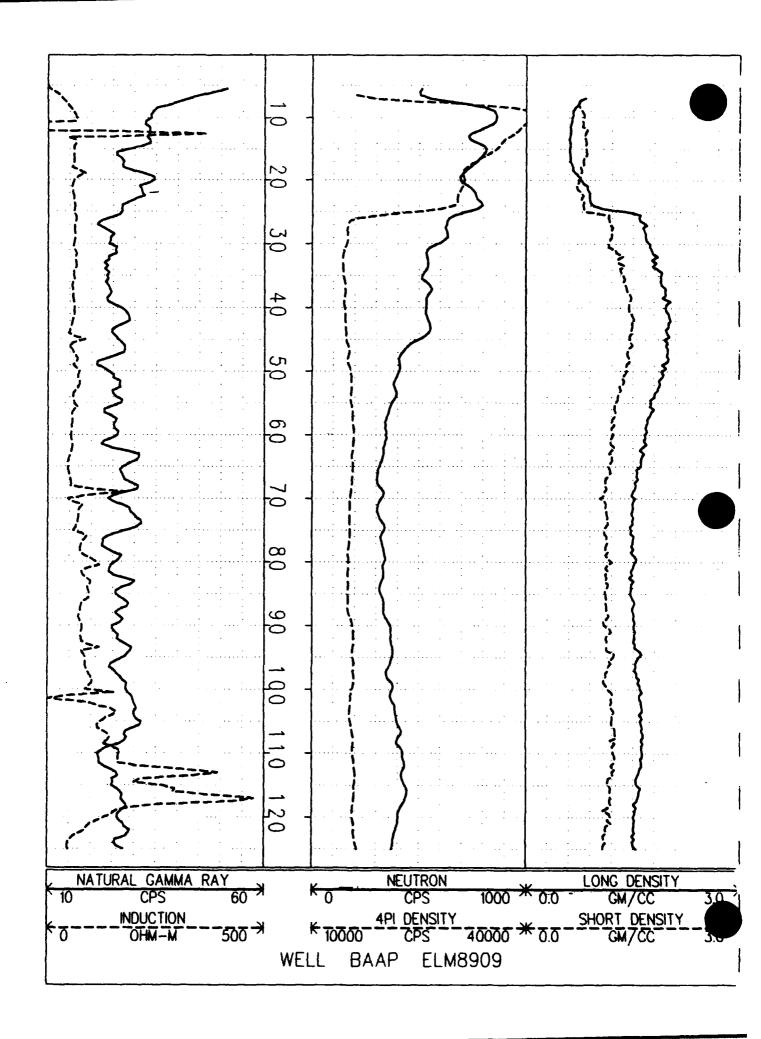


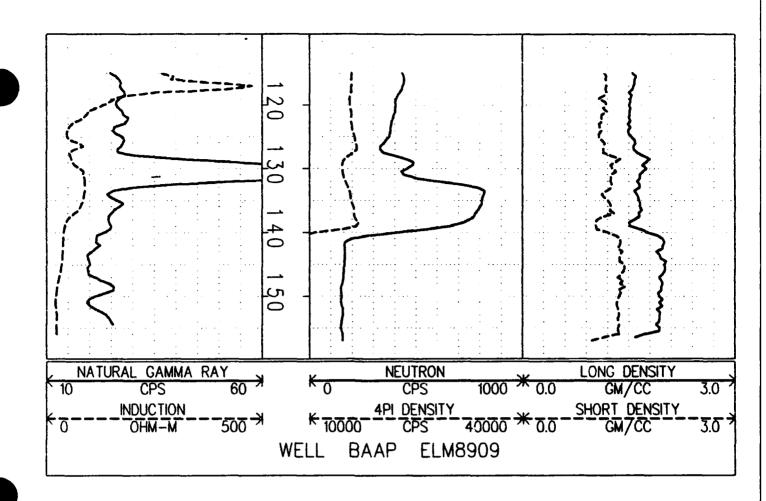


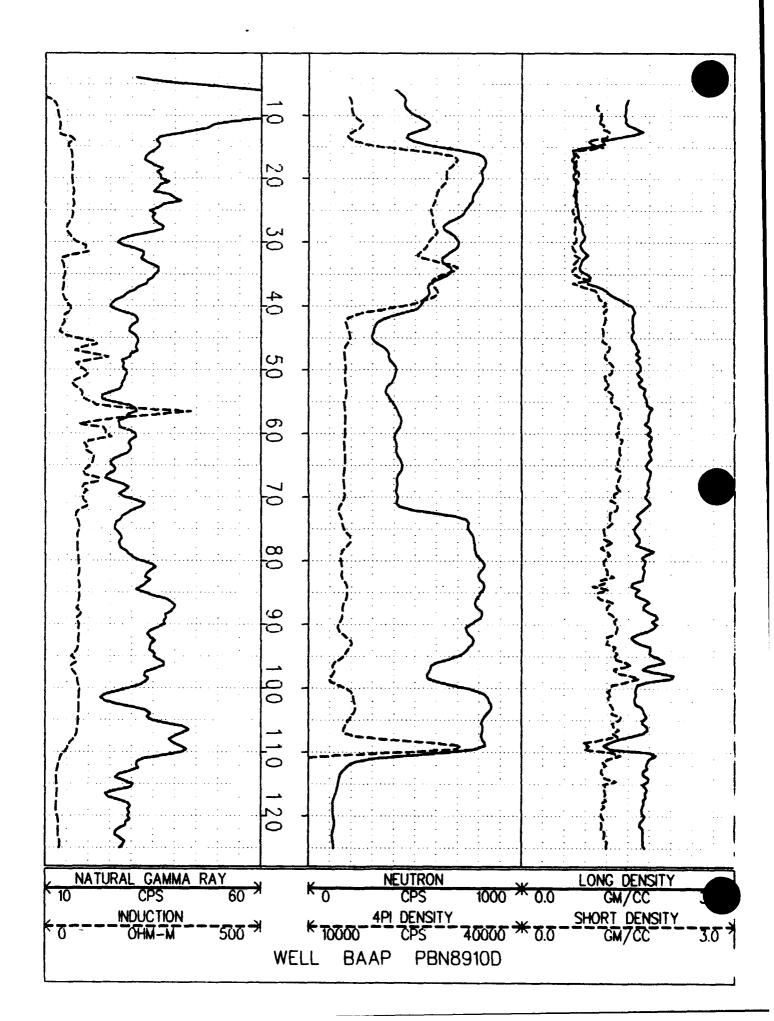


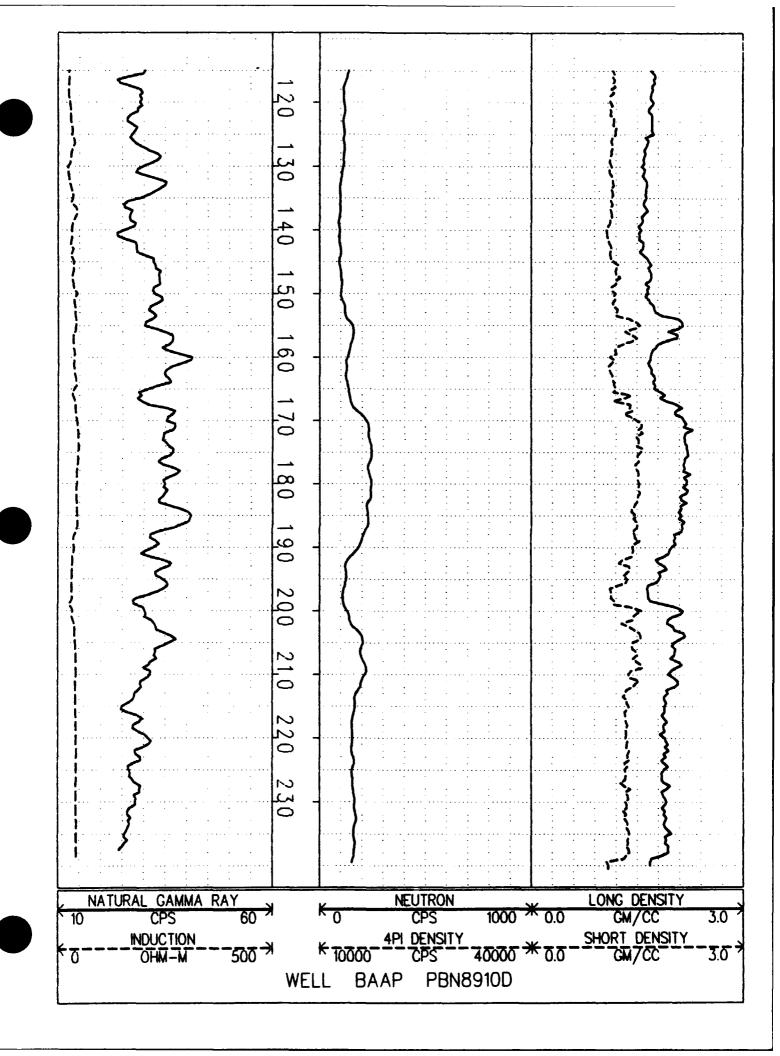


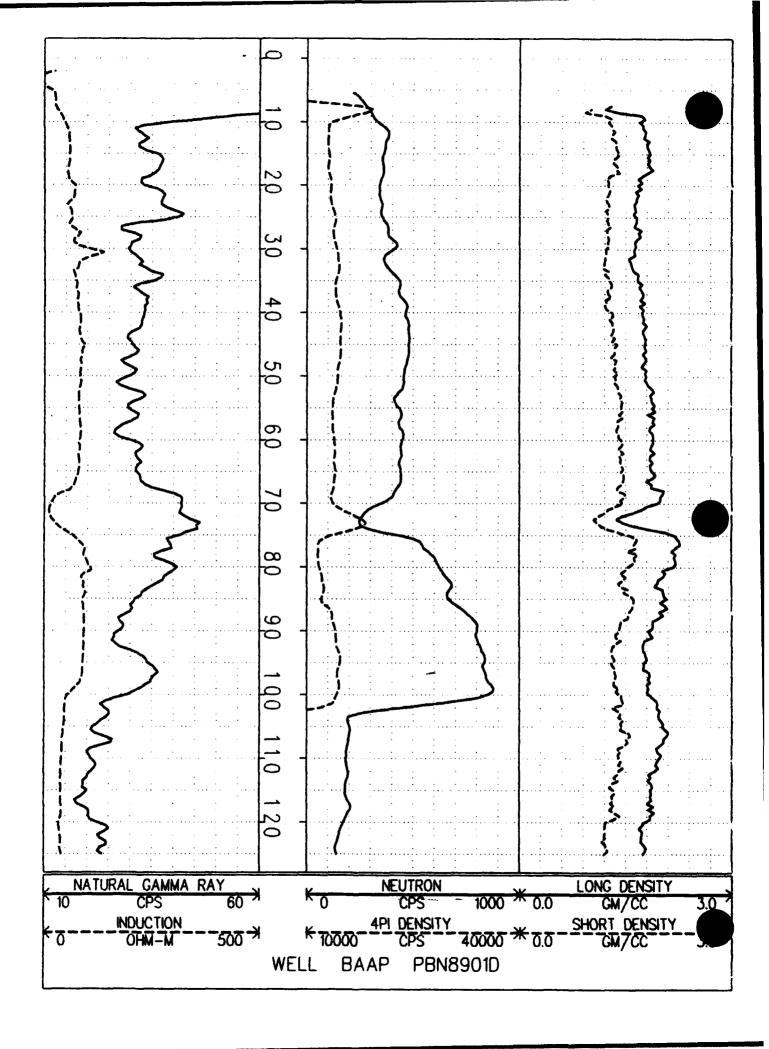


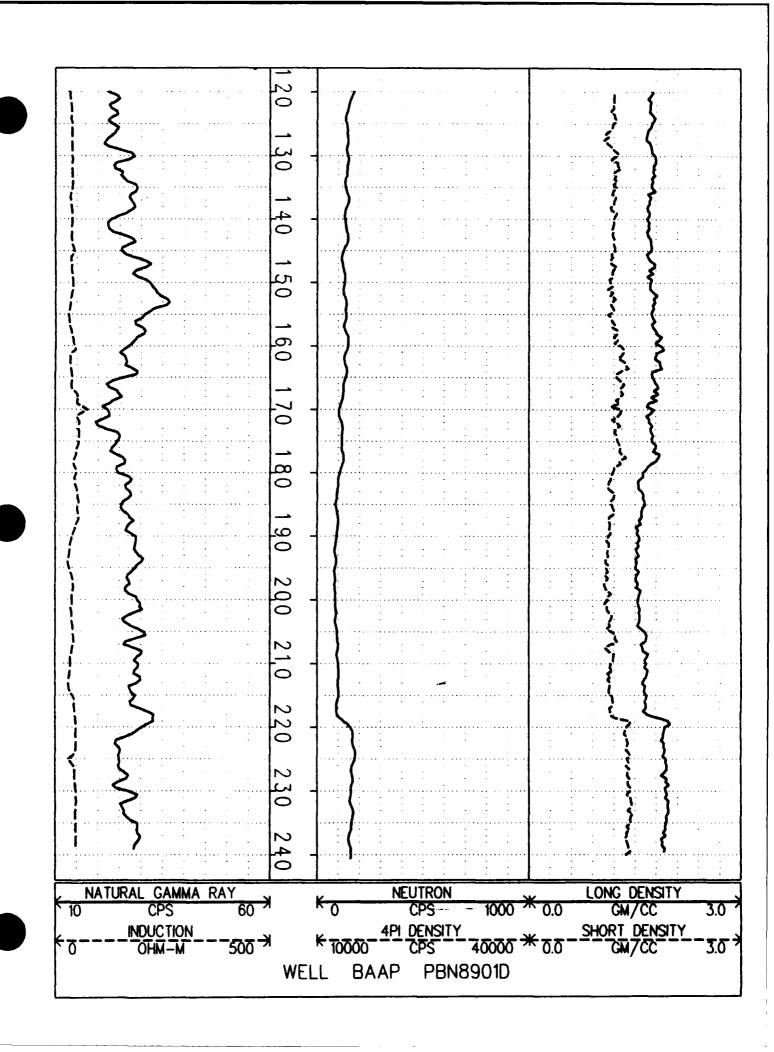


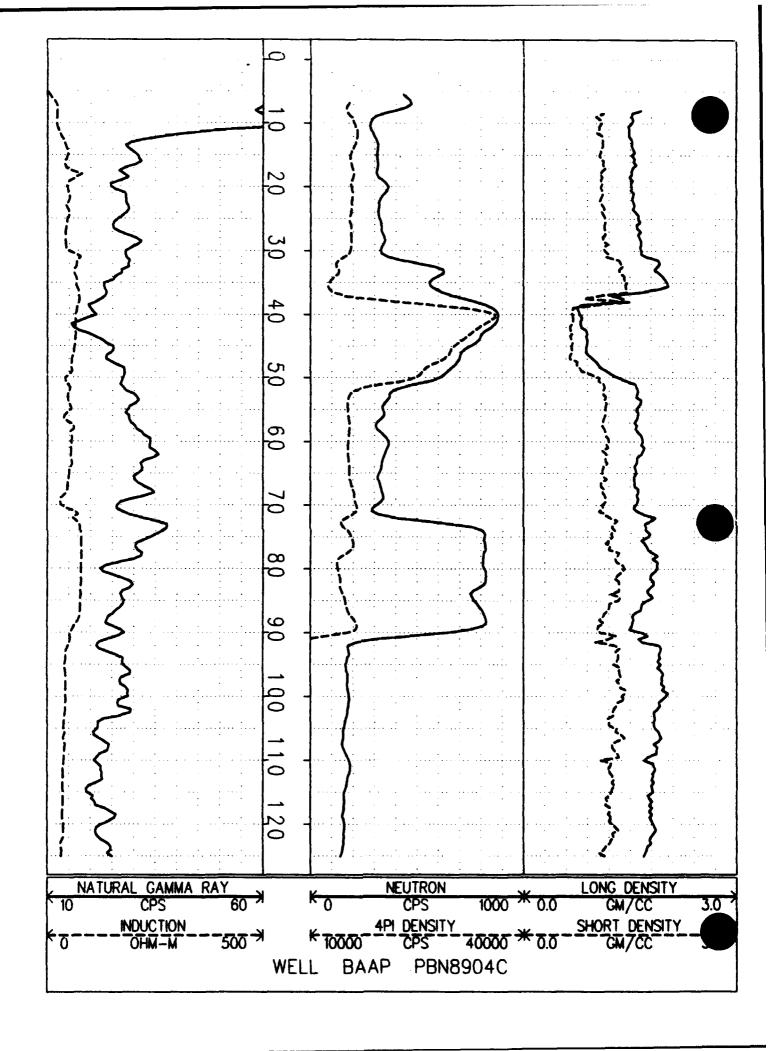


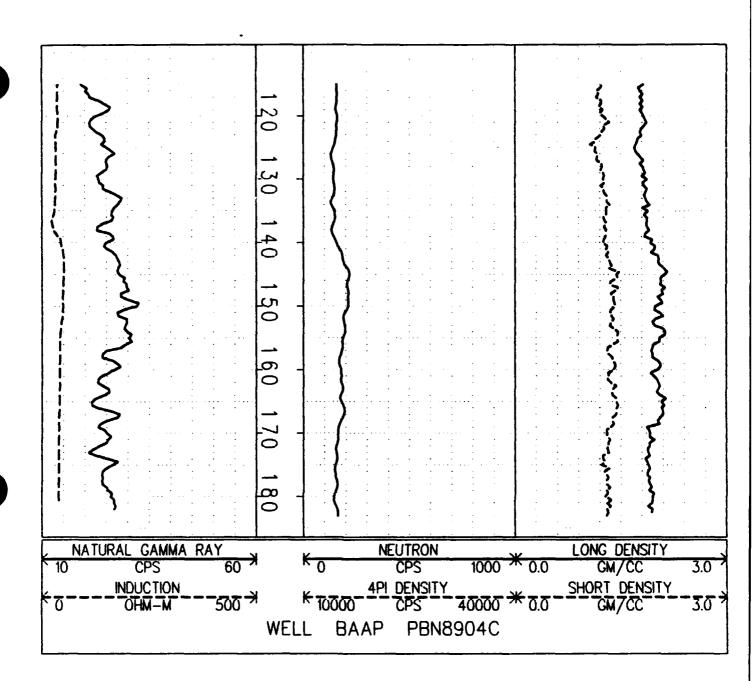


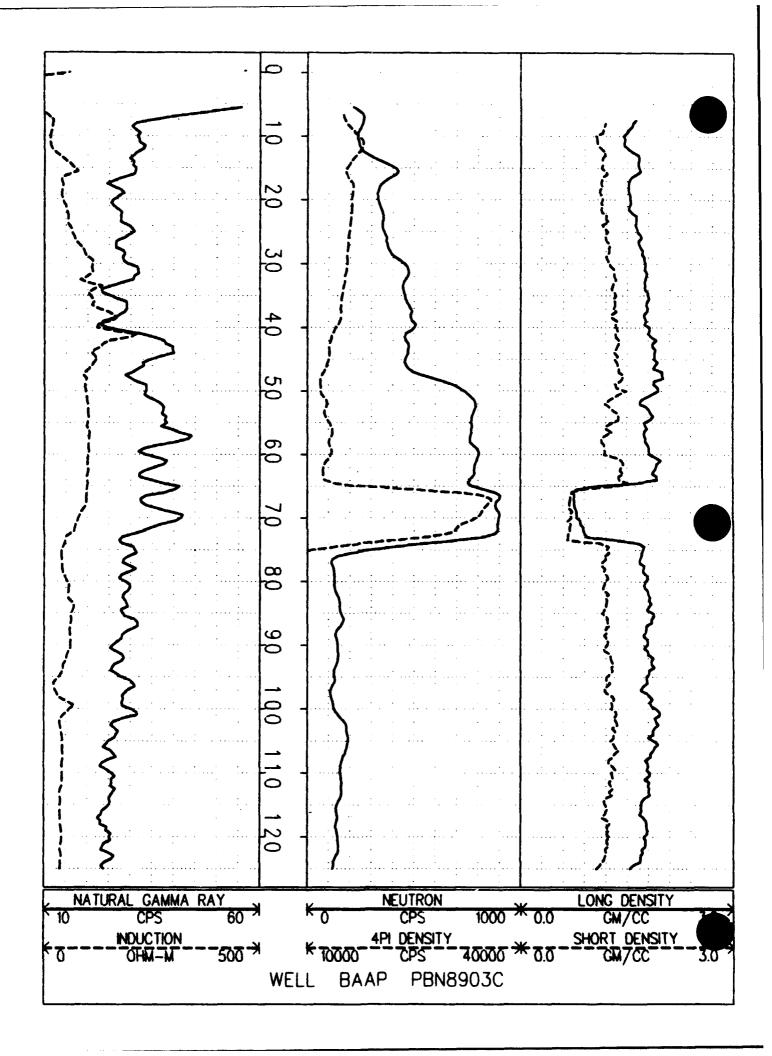


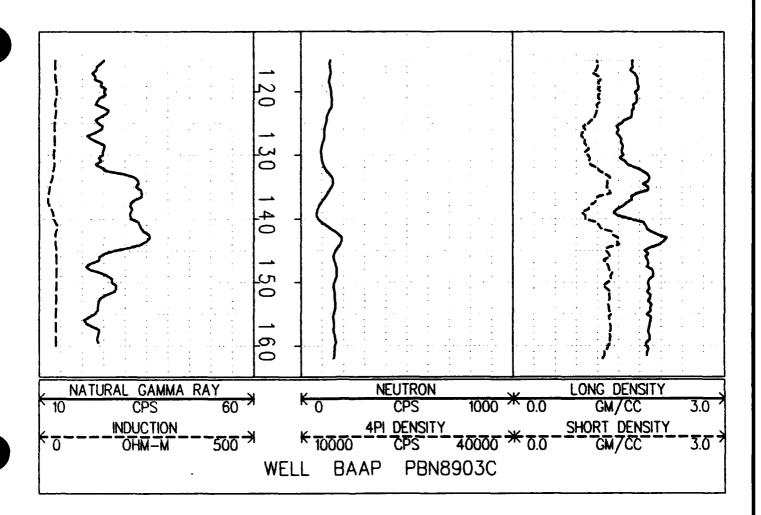


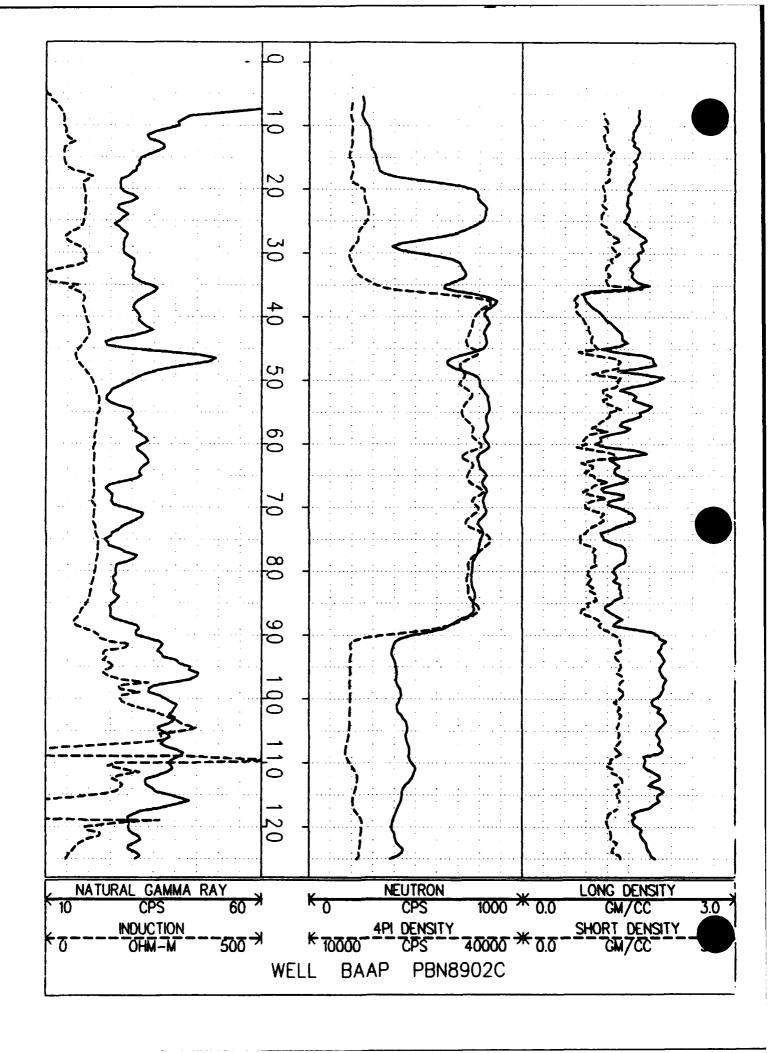


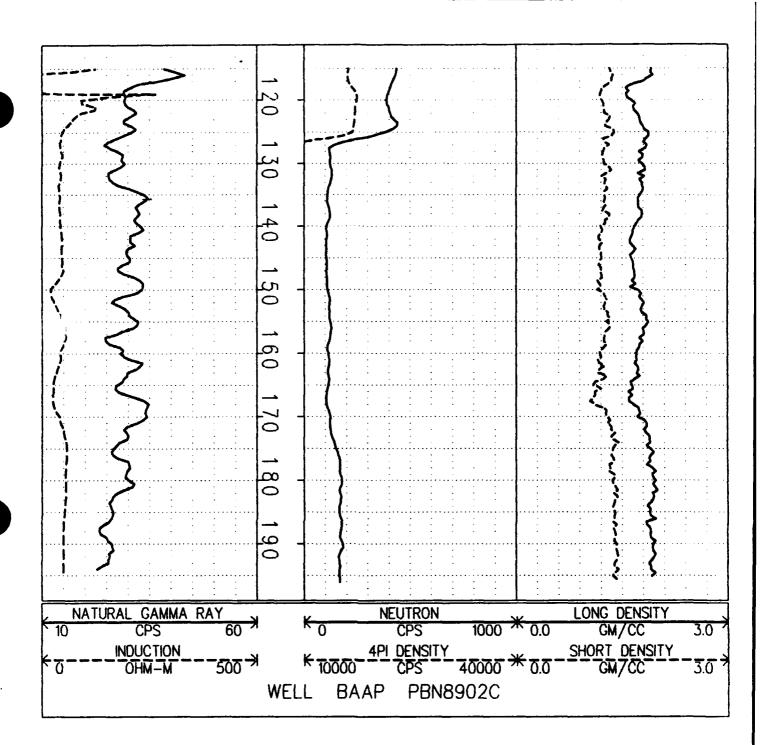


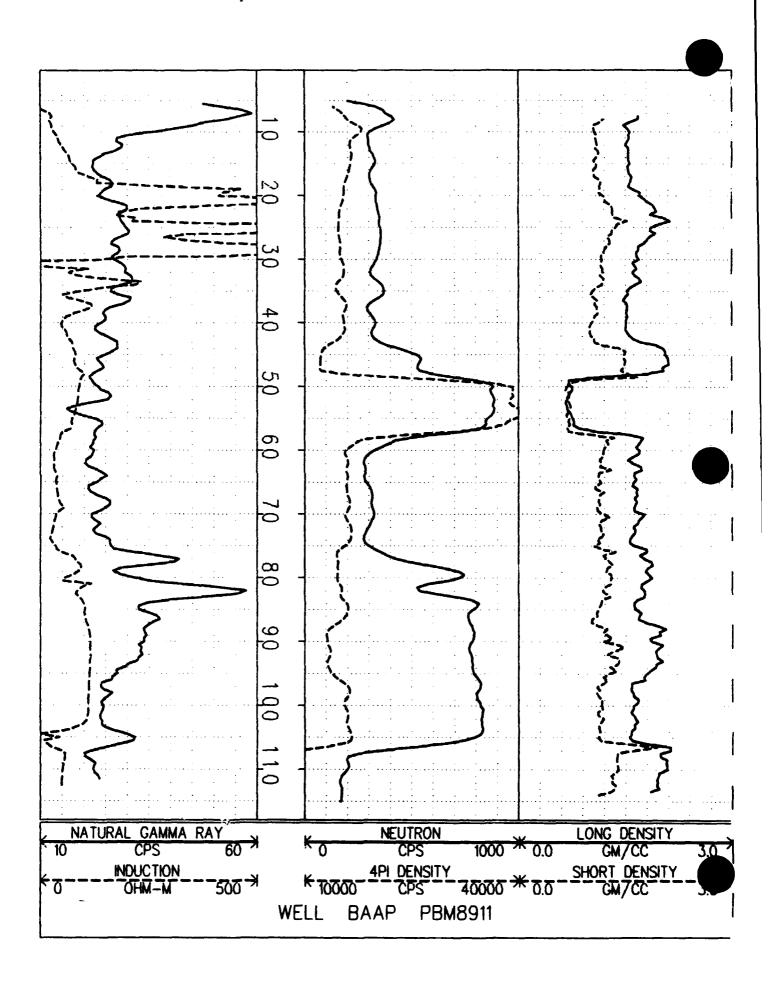


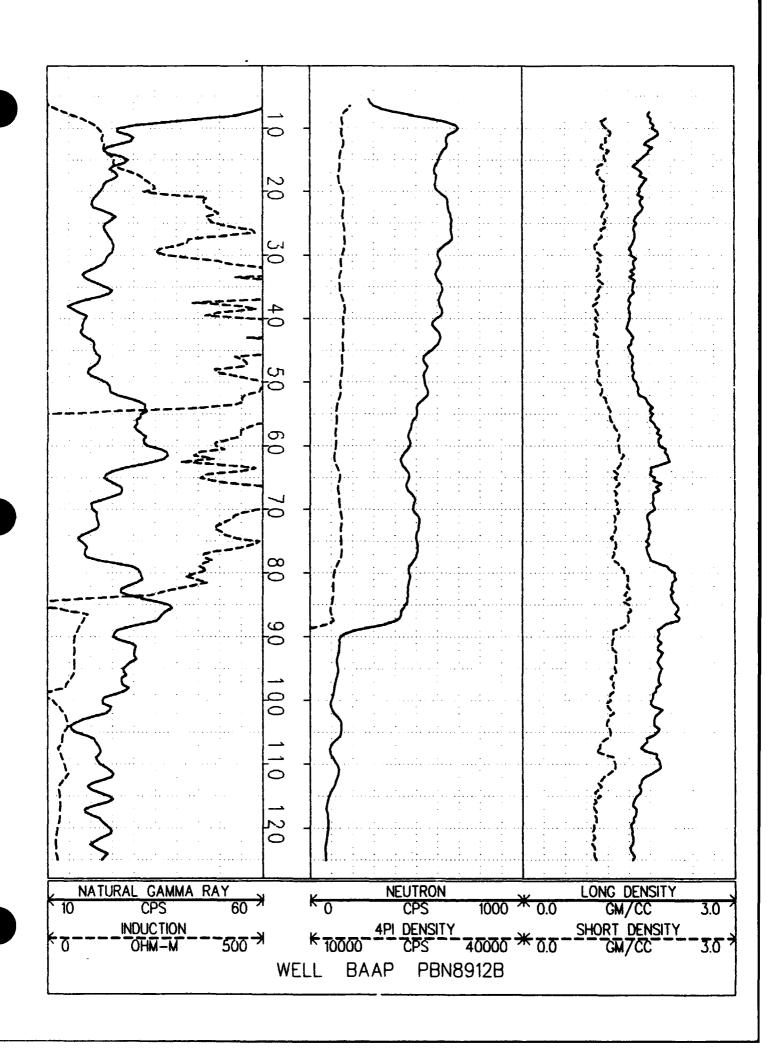


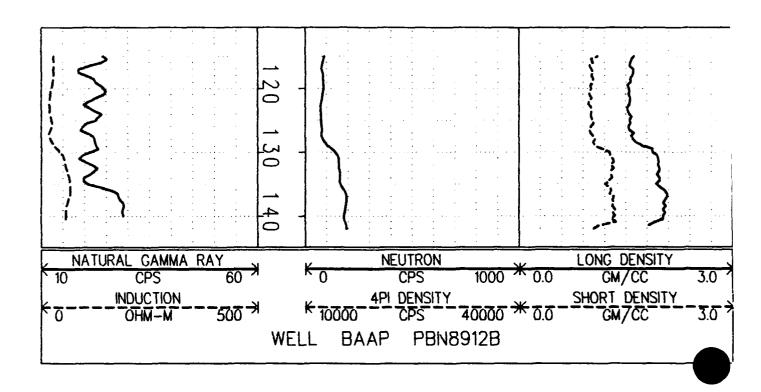


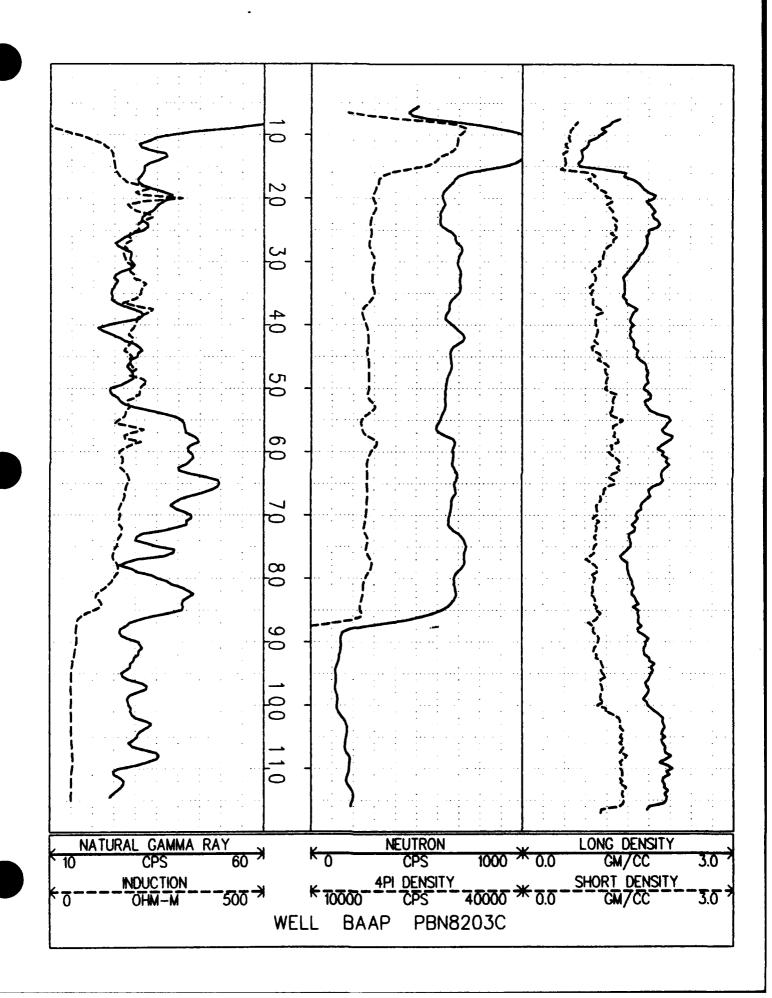


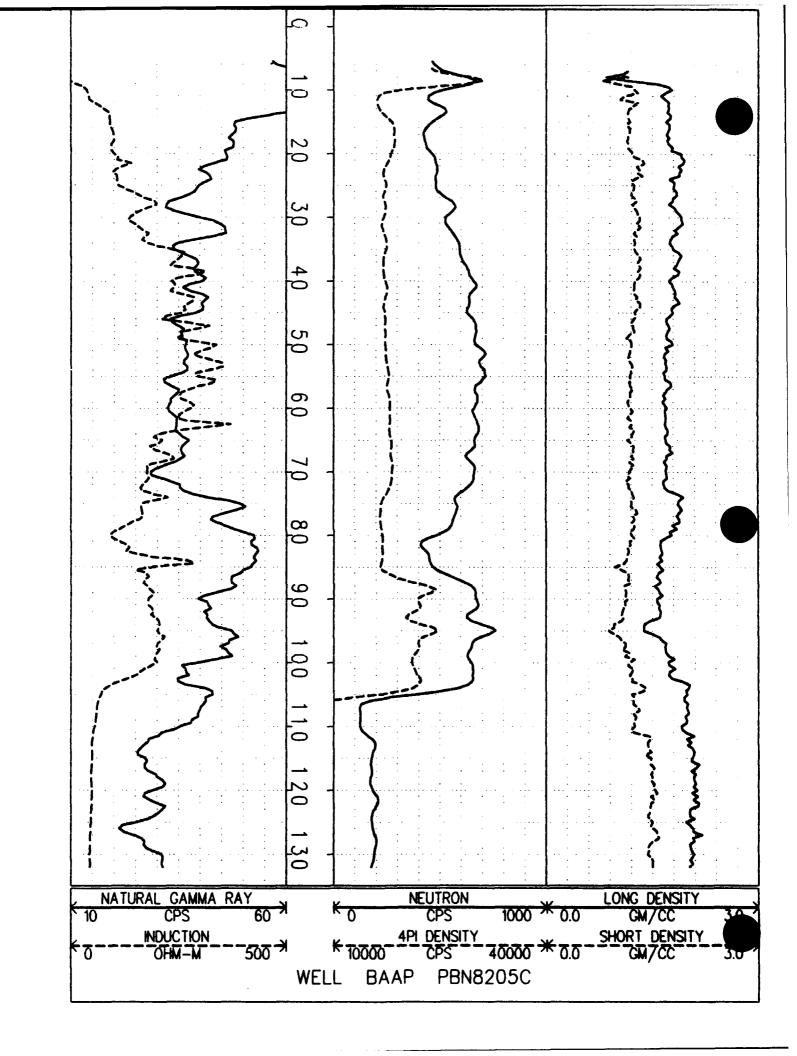


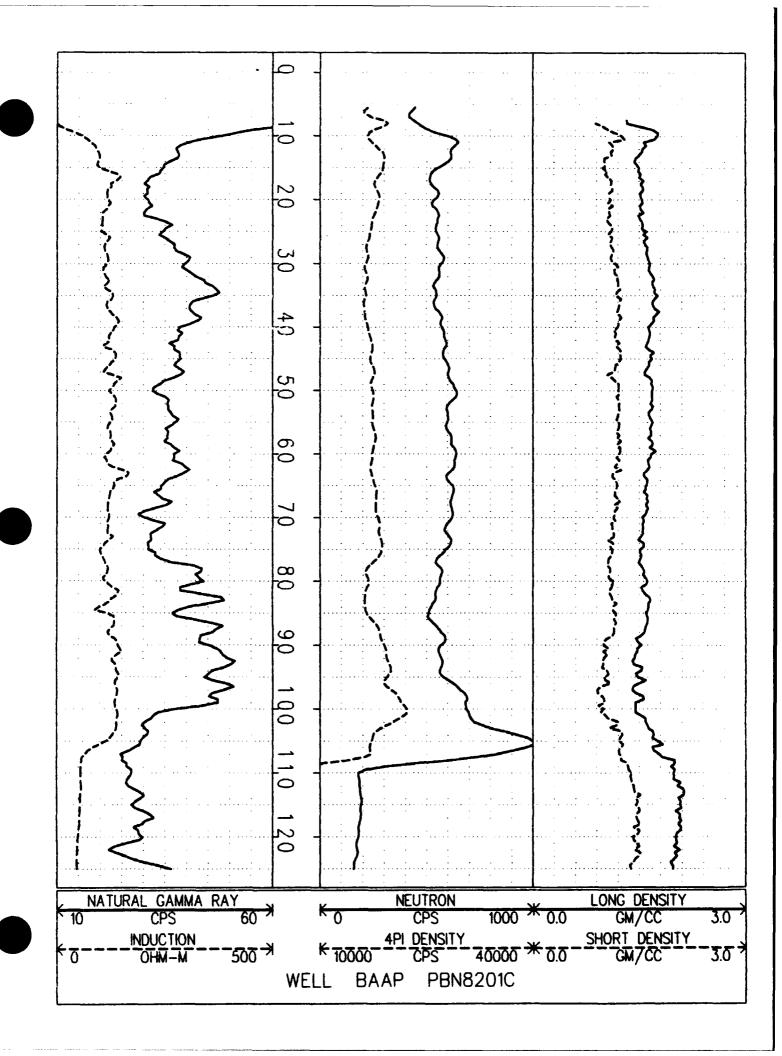


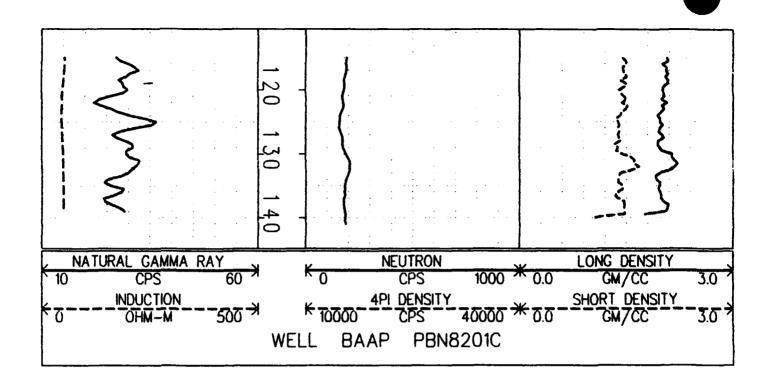


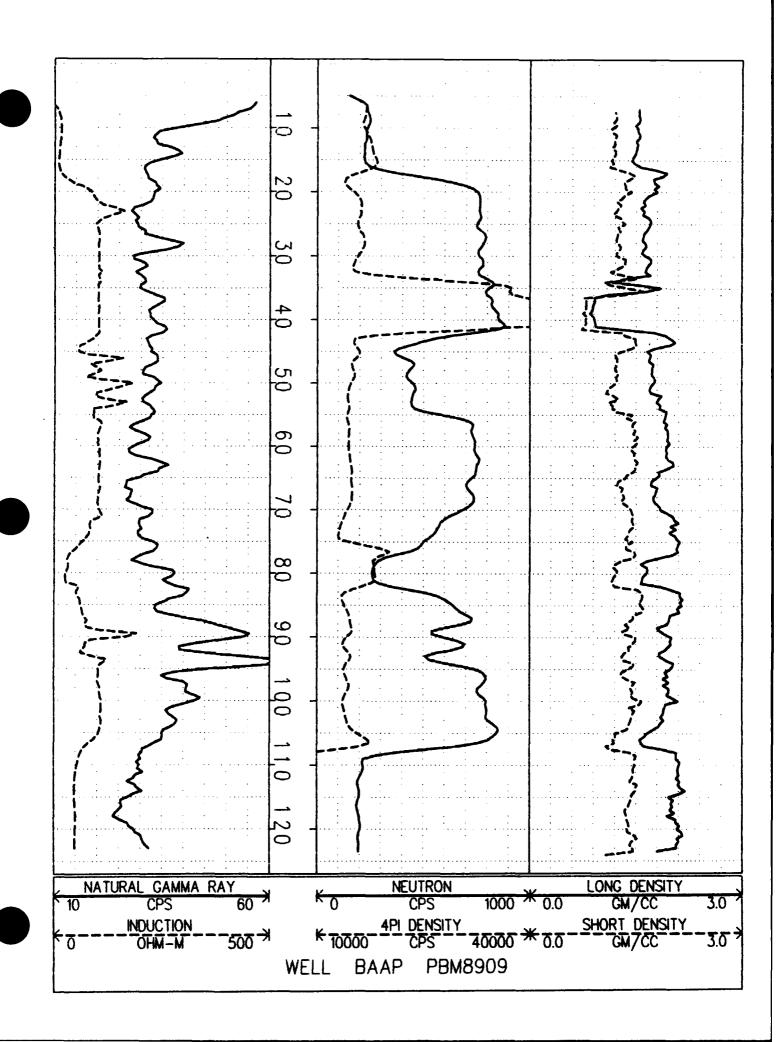


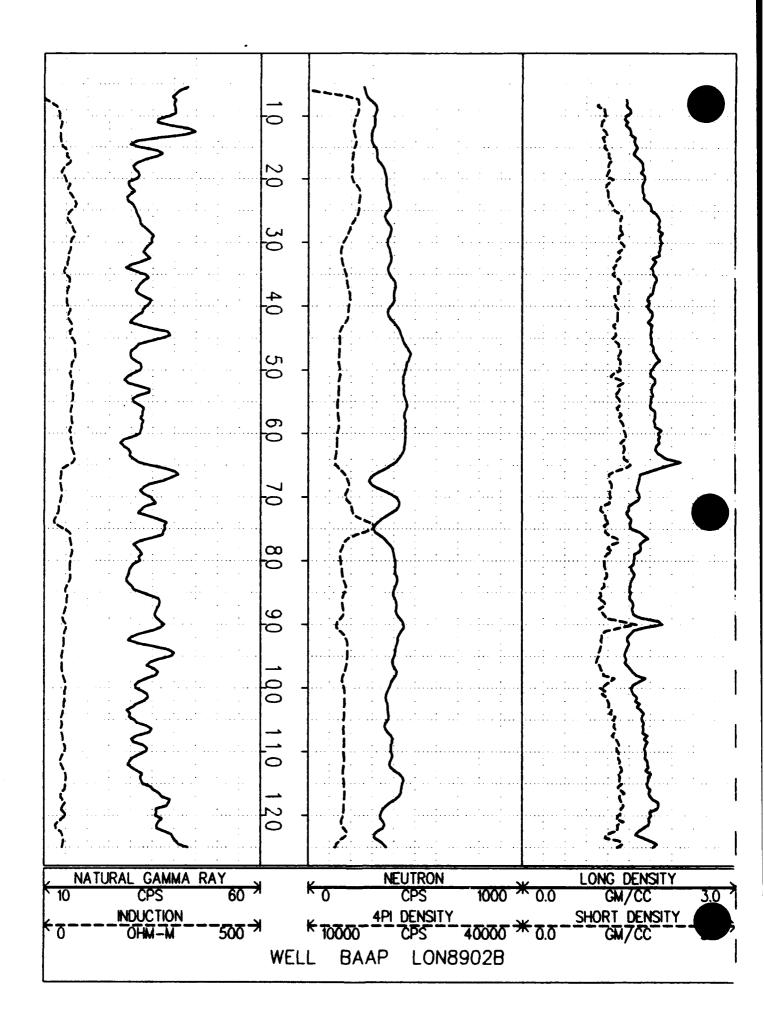


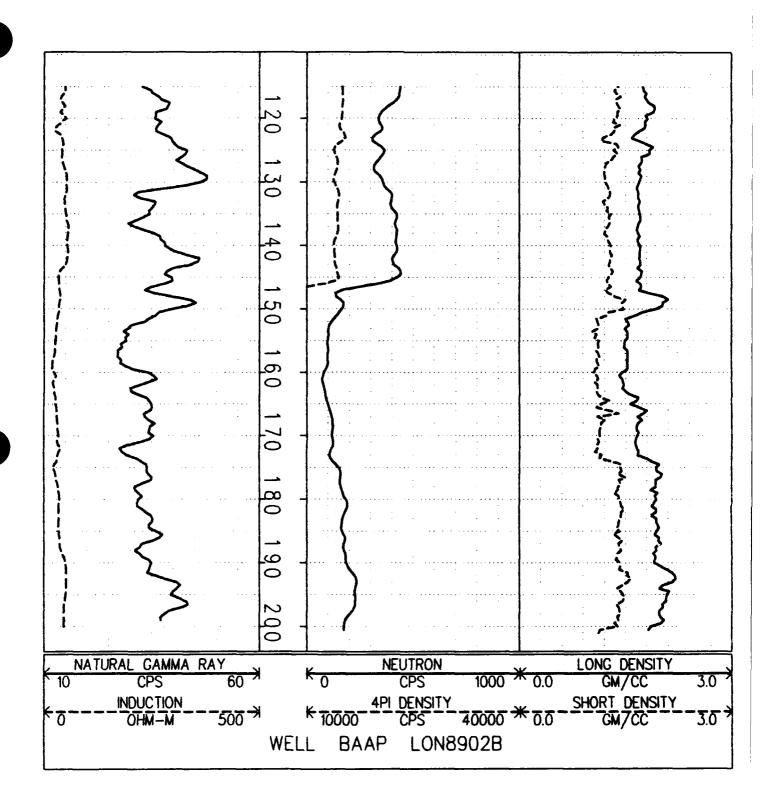


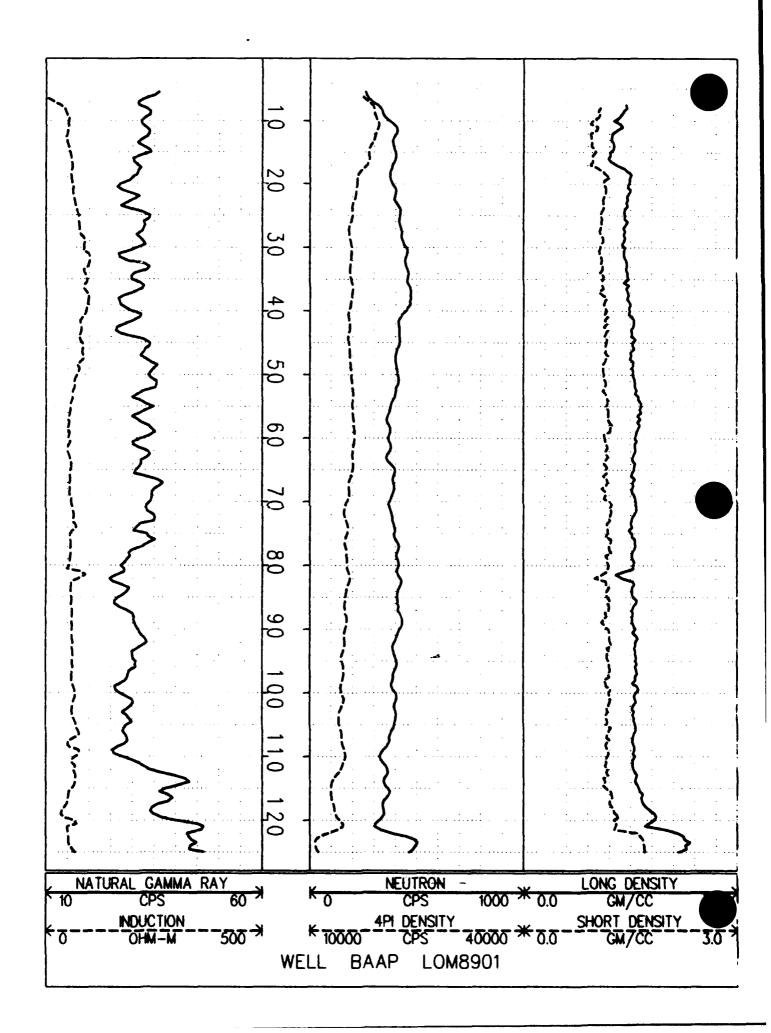


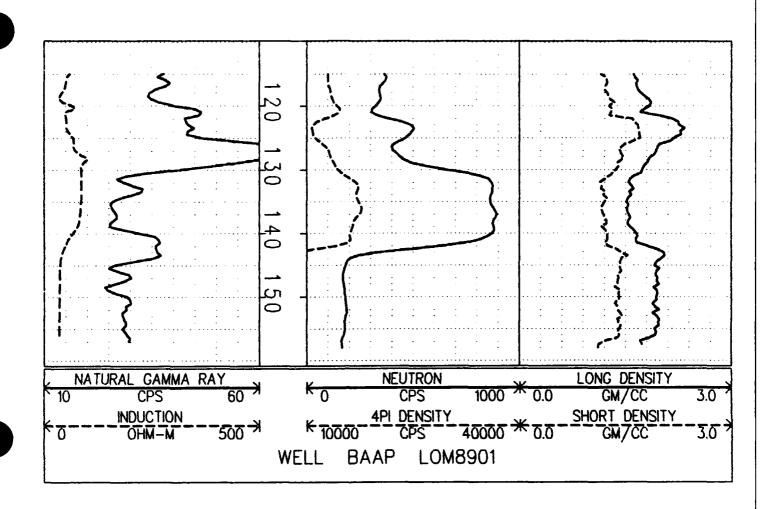


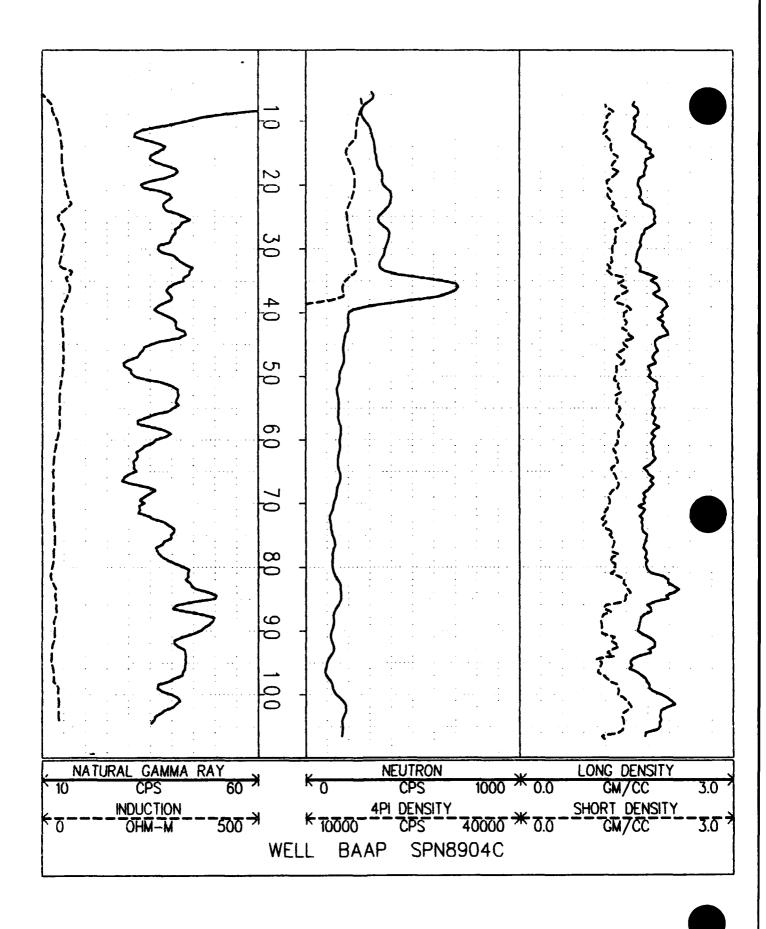


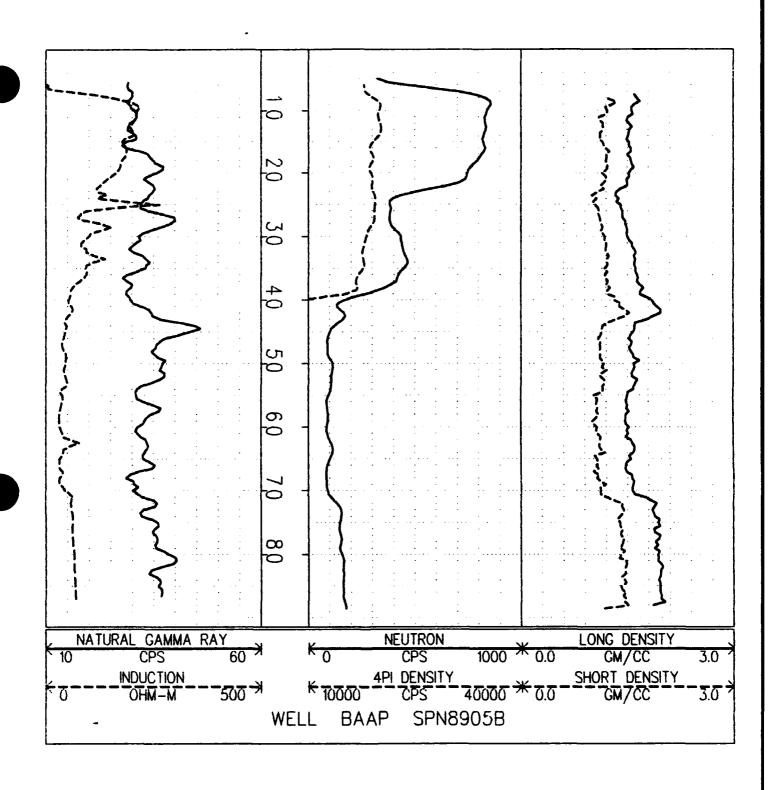


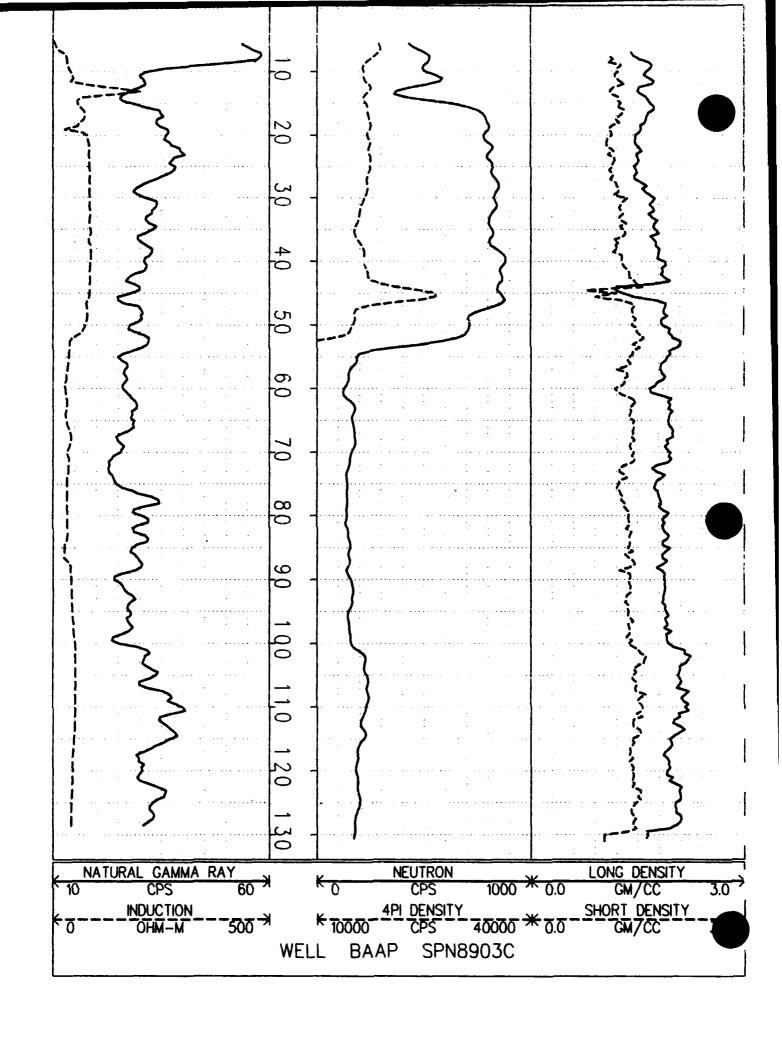


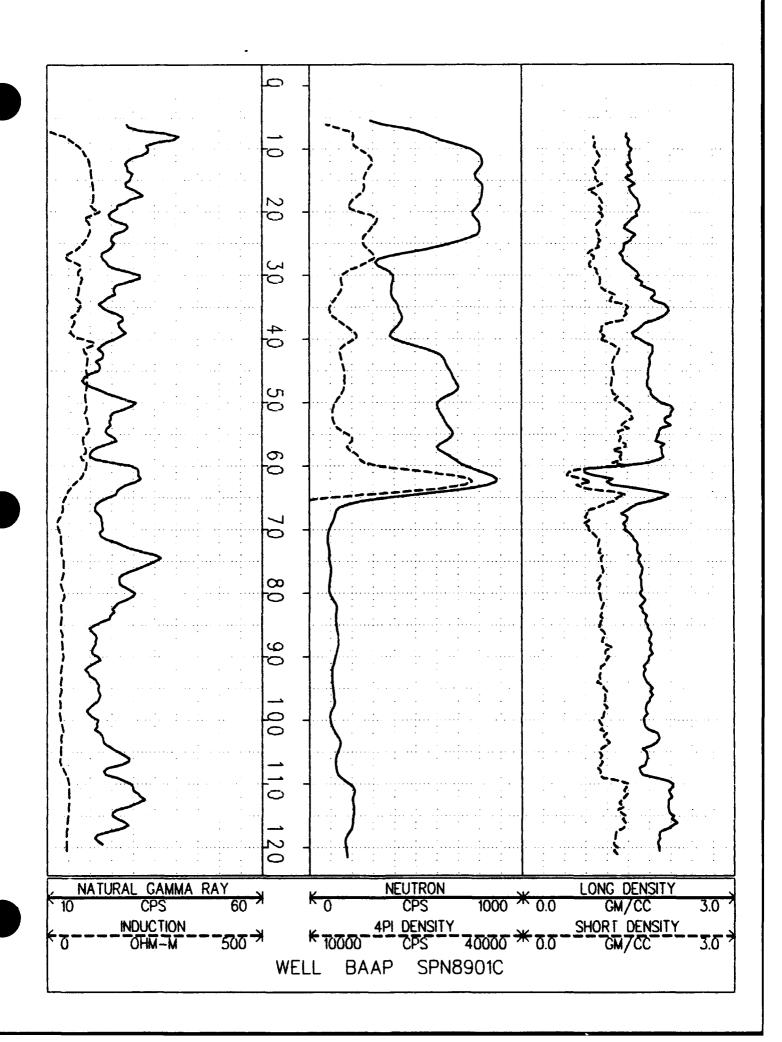


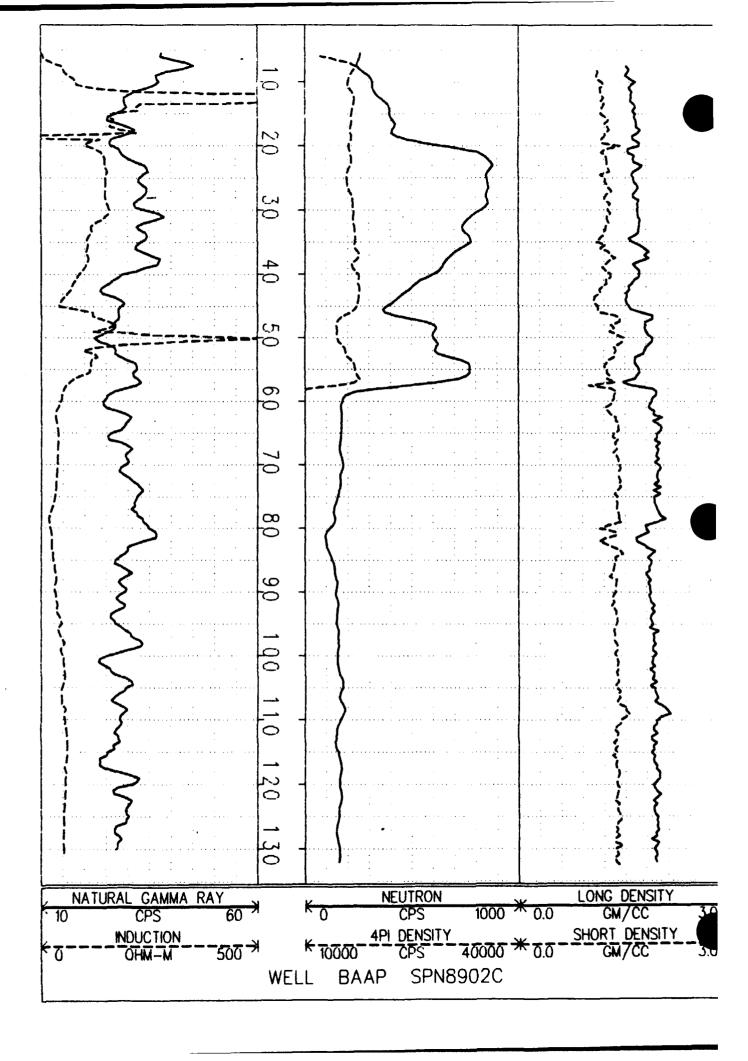












6853-12

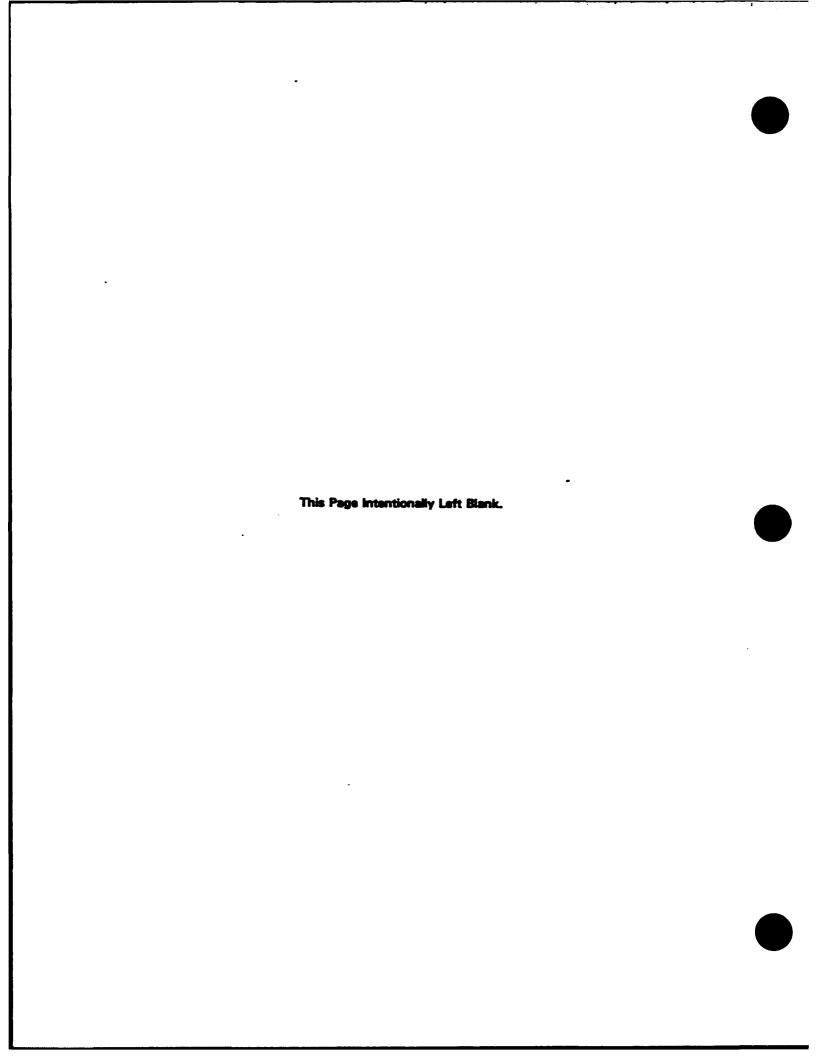
## APPENDIX F HORIZONTAL AND VERTICAL SURVEY

W0039213F.APP

This Page Intentionally Left Blank.

1989 BORING AND MONITORING WELL SURVEY DATA

W0039213F.APP 6853-12



#### **INCORPORATED**

ARCHITECTURE

**PLANNING** 

**ENGINEERING** 

LAND SURVEYING

FINAL REPORT
FOR
SURVEYING SERVICES
MONITORING WELL AND SOIL BORING LOCATIONS
BADGER ARMY AMMUNITION PLANT
SAUK COUNTY WISCONSIN

The services required for this project includes the horizontal and vertical locations for various monitoring wells and soil borings at Badger Army Ammunition Plant. The horizontal positions have been determined relative to the Universal Transverse Mercator (UTM) system per the NAD 27. The vertical locations are based on Mean Sea Level (MSL) from the 1929 General Adjustment.

The horizontal and vertical control shall be taken from existing control monuments and traverse control currently existing within the Army Ammunition Plant. This control information has been provided by the Army Ammunition Plant.

#### HORIZONTAL FIELD SURVEY

The horizontal location has been taken from the existing control or has been extended from said control into the survey areas. The equipment that was utilized for the horizontal control was a Lietz SET-4 electronic total station in combination with a Lietz SDR-22 electronic data collector. The grid factor for distances was keyed into the collector at a value of 0.9998919 this provides for an automatic reduction to grid distances required for geographic computations. The output produced by the data collector is based on Wisconsin State Plane Coordinates. A copy of the field notes generated by the data collector is attached as Appendix A.

#### VERTICAL FIELD SURVEY

The vertical location has also been taken from the existing control or has been extended from said control into the survey areas. The equipment that was used for the vertical survey was a Lietz B-l automatic level. A copy of the field notes for the vertical survey is attached as Appendix B.

940 E. MAIN STREET REEDSBURG, WI 53959 (608) 524-6468 6701 SEYBOLD ROAD MADISON, WI 53719 (608) 274-3898

#### OFFICE COMPUTATIONS - REPORT GENERATION

The state plane coordinates determined by the data collector report was input into a batch file named ECJORDPC. The file was then run through a program provided by National Ocean Service - National Geodetic Survey named GPPCGP. This program converts State Plane Coordinates to geographic positions (latitudes and longitude). The output from this run was placed in a batch file named ECJORDGP. Finally this geographic position file was input through a National Ocean Service - National Geodetic Survey named UTMS. This converts the geographic position to the Universal Transverse Mercator System coordinates. The output file is named ECJORDUT. The printout from this file list the UTM's for the wells and borings. A copy of the files generated are attached as Appendix C. The input format is detailed in the front of Appendix C. The report chart was then developed by integrating the vertical positions with the final UTM positions.

#### SURVEYOR'S CERTIFICATE

I, John L. Brey, Registered Land Surveyor, hereby certify that the above described location survey and the enclosed documentation are correct to the best of my knowledge and belief.

Dated this 5th day of July, 1989.

BREY S-1319 ohn L Brey, Rys-1319

Vierbicher Associates, Inc.

940 East Main Street Reedsburg, WI 53959

### MONITORING WELL AND SOIL BORING LOCATIONS BADGER ARMY AMMUNITION PLANT

#### PROPELLANT BURNING GROUND

				ELEVATIONS	1	
	utm	UTM	GROUND	WELL	TOP	
MONITORING	NORTHING (Y)	EASTING (X)	SURFACE	RISER	PROTECTIVE	MONITORING
WELL	METER	METER			CASING	WELL
PbN-89-01-B	4,802,308.1	277,105.4	870.0	872.33	872.47	PBN-89-01-B
P 1-89-01-C	4,802,306.7	277,129.7	875.5	878.06	878.30	PBN-89-01-C
F 1-89-01-D	4,802,307.9	277,112.9	871.5	874.05	874.43	PBN-89-01-D
PBN-89-02-B	4,802,305.1	277,312.0	897.6	900.25	900.41	PBN-89-02-B
P" 1-89-02-C	4,802,307.0	277,290.9	894.5	897.04	897.18	PBN-89-02-C
P 1-89-03-B	4,802,334.4	276,880.1	844.9	847.80	847.81	PBN-89-03-B
PBN-89-03-C	4,802,333.9	276,890.7	844.1	846.87	847.02	PBN-89-03-C
P-:-89-04-B	4,801,782.3	277,097.8	856.9	859.23	859.40	PBN-89-04-B
P 1-89-04-C	4,801,775.2	277,107.6	857.7	859.70	860.51	PBN-89-04-C
PBM-89-05	4,802,323.1	276,741.2	852.3	855.58	855.70	PBM-89-05
P 'i-89-06	4,802,328.9	277,473.6	883.7	886.37	886.50	PBM-89-06
P 4-89-07	4,801,794.0	276,910.3	846.6	849.36	849.56	PBM-89-07
PBM-89-08	4,801,728.3	277,305.0	885.5	888.56	888.72	PBM-89-08
P. 1-89-09	4,803,218.5	277,275.5	880.6	883.48	883.64	PBM-89-09
P_ 10-A	4,802,838.7	277,270.4	886.8	889.65	889.79	PBN-89-10-A
PBN -10-B	4,802,839.4	277,282.1	889.1	891.81	891.94	PBN-89-10-B
P 4-89-10-C	4,802,838.4	277,259.1	884.7	887.00	887.04	PBN-89-10-C
PI-89-10-D	4,802,835.9	277,236.0	880.9	884.25	847.39	PBN-89-10-D
PBM-89-11	4,803,527.2	277,261.9	881.6	884.41	884.49	PBM-89-11
P 1-89-12-A	4,801,376.7	277,058.9	852.6	855.66	855.71	PBN-89-12-A
Paid-89-12-B	4,801,368.5	277,058.5	852.6	856.04	856.33	PBN-89-12-B
LCM-89-01	4,803,093.4	277,471.9	915.9	917.86	918.18	LOM-89-01
L 1-89-02-A	4,802,958.1	277,468.6	918.5	920.59	920.74	LON-89-02-A
Lud-89-02-B	4,802,960.5	277,477.6	918.9	921.13	921.26	LON-89-02-B
LON-89-03-A	4,802,959.3	277,521.8	919.2	922.14	922.29	LON-89-03-A
L 1-89-03-B	4,802,959.1	277,510.9	919.5	921.99	922.19	LON-89-03-B
OIL BORINGS						SOIL BORING
PBB-89-01	4,802,665.3	277,172.2	875.5			PBB-89-01
PF9-89-02	4,802,603.3	277,144.9	873.8			PBB-89-02
P 1-89-03	4,802,607.1	277,090.6	868.2			PBB-89-03
PBB-89-04	4,802,980.1	277,211.2	872.6			PBB-89-04
P-3-89-05	4,802,989.4	277,259.8	879.9			PBB-89-05
P 1-89-06	4,803,075.7	277,276.2	881.9			PBB-89-06
PBB-89-07	4,803,041.6	277,249.9	878.6			PBB-89-07
P-3-89-10	4,802,820.8	277,218.5	878.1			PBB-89-10

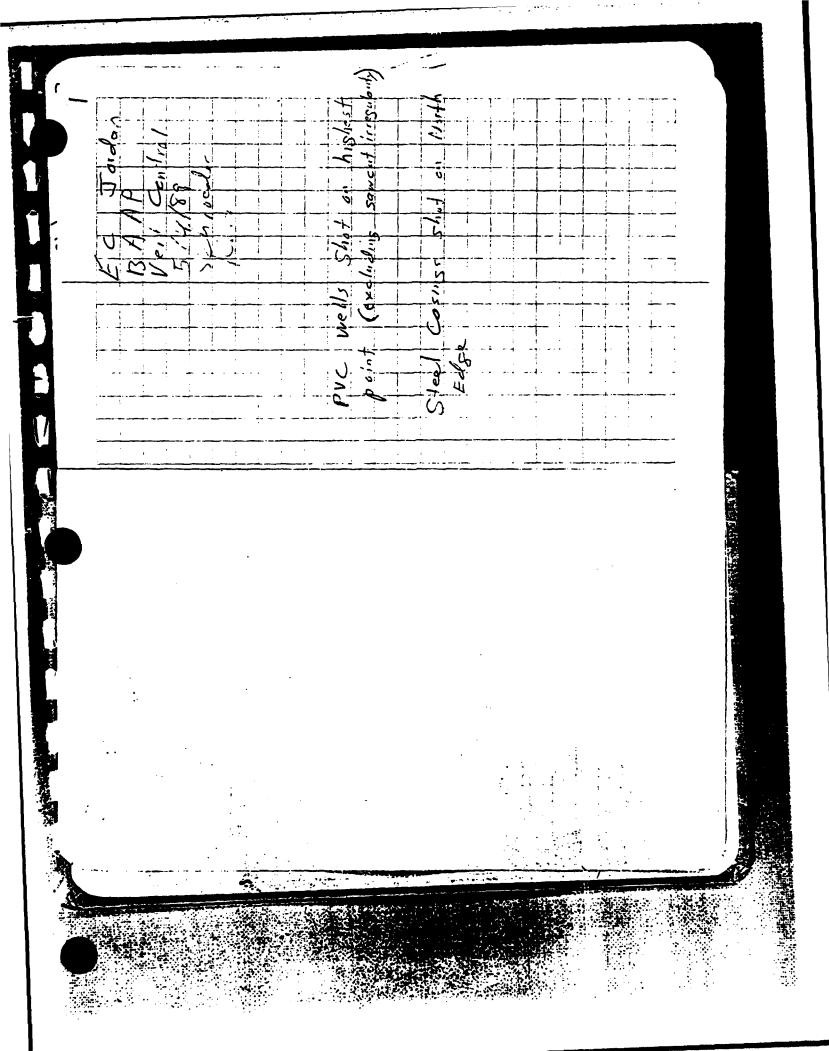
# MONITORING WELL AND SOIL BORING LOCATIONS BADGER ARMY AMMUNITION PLANT DETERRENT BURNING GROUND

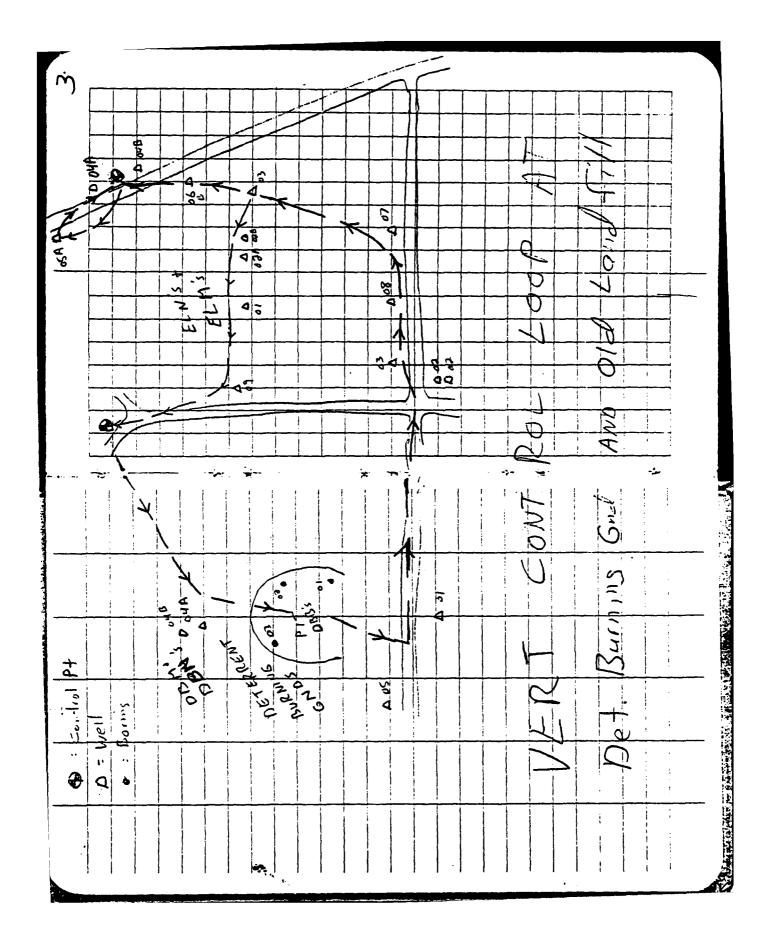
	******	•••		ELEVATION	s	
MONITORING	UTM NORMULNG (V)	UTM	GROUND	Well	TOP	
WELL	NORTHING (Y) METER	EASTING (X) METER	SURFACE	RISER	PROTECTIVE CASING	WELL WELL
DBM-89-01	4,805,556.1	279,611.3	893.6	895.99	896.17	DDW00 A1
DBN-89-02-A	4,805,558.4	279,769.2	884.8	887.10	887.25	DBM-89-01
DBN-89-02-B	4,805,549.6	279,764.0	884.8	886.90	887.07	DBN-89-02-
DBM-89-03	4,805,597.8	279,806.8	896.4	898.85	898.99	DBN-89-02-B
DBN-89-04-A	4,805,874.1	279,605.0	917.5	919.89	920.07	DBM-89-03
DBN-89-04-B	4,805,881.4	279,599.6	917.7	920.14	920.30	DBN-89-04 .
DBM-89-05	4,805,625.7	279,535.2	897.9	900.43	900.58	DBN-89-04-B DBM-89-05
SOIL BORINGS						SOLL BODING
DBB-89-01	4,805,698.3	279,647.6	899.5			SOIL BORING DBB-89-01
DBB-89-02	4,805,745.4	279,652.7	897.9			DBB-89-02
DBB-89-03	4,805,780.1	279,585.9	897.8			DBB-89-03
	EXISTING LANDFIL	L				
MONITORING						MONITORING
WELL						WELL
ELM-89-01	4,805,783.8	279,844.9	920.5	922.73	922.88	ELM-89-01
ELN-89-02-A	4,805,748.3	279,992.0	919.4	921.10	921.85	ELN-89-02-1
ELN-89-02-B	4,805,747.6	280,007.9	918.0	920.19	921.36	ELN-89-02-
ELM-89-03	4,805,777.0	280,214.9	914.0	916.28	916.45	ELM-89-03
ELN-89-04-A	4,805,979.2	280,159.8	924.1	926.28	926.43	ELN-89-04-3
ELN-89-04-B	4,805,957.7	280,172.7	924.8	926.63	926.80	ELN-89-04
ELM-89-05	4,806,115.1	280,061.1	898.2	900.95	901.06	ELM-89-05
ELM-89-06-B	4,805,864.6	280,212.4	906.1	908.22	908.87	ELM-89-06
ELM-89-07	4,805,587.2	280,112.7	913.7	916.19	916.25	ELM-89-07
ELM-89-08	4,805,593.1	279,972.7	903.0	906.04	906.21	ELM-89-08
ELM-89-09	4,805,843.9	279,744.6	919.6	921.79	922.82	ELM-89-09
	SETTLING PONDS					
-	SPOILS DISPOSAL	AREA				
SPN-89-01-C	4,800,906.7	276,414.4	827.8	830.04	830.20	SPN-89-01-
SPN-89-02-A	4,800,904.7	276,684.4	820.8	823.67	823.76	SPN-89-02-A
SPN-89-02-B	4,800,902.4	276,690.1	820.3	823.53	823.66	SPN-89-02-
SPN-89-02-C	4,800,903.2	276,702.8	820.0	822.60	822.64	SPN-89-02-
SPN-89-03-B	4,800,953.7	276,907.0	815.1	818.09	818.21	SPN-89-03-B
SPN-89-03-C	4,803,992.4	277,006.8	815.3	818.25	818.65	SPN-89-03-
SPN-89-04-B	4,800,868.5	277,211.6	801.6	804.21	804.42	SPN-89-04-
SPN-89-04-C	4,800,868.3	277,242.8	800.7	803.17	803.36	SPN-89-04-C
SPN-89-05-A	4,800,838.1	279,011.3	801.6	804.25	804.48	SPN-89-05-
SPN-89-05-B	4,800,834.8	279,006.9	801.6	804.02	804.21	SPN-89-05-

#### APPENDIX B

VERTICAL CONTROL SURVEY FIELD NOTES

This Page Intentionally Left Blank.





	CHO	\ _	7	U L		STA	as	)- <u> </u>	7.	5
	Disk @ 11 500	0.59	923.01		gazya	DRN 89-675 GA			× %	8788
e e e e e e e e e e e e e e e e e e e	1 4 1	4.3.4	11.666	1115	17.87	7			6.75	886.90
	B DBN SYA GNO			4.56	917.5	5/18/2	- 8			887.07
	PVC			cet	68.676	706	11.29	899.735	5,305	888.345
	2000				120.026	DBM 89.03 6.4			3.35	4.968
	DBN 89.04B Gnel	نط		11.15	1.7.1	PVC			63.0	548868
	-	J			11006	Cost			$\overline{}$	66868
	Stal	J.			920.30	767	12.09	906.355	545	894,265
	702	0.33	914.93	_	91470	ELM 89-08 G.1			3.35	903.0
	763	0,40	902.87	17.16	10.006	Pvc	. !			306 035
	DBB 89-03 6		1	5.06	8978	2, co Co Co				906.21
					897.9	7 P 8	11.69	312.882	i	906.195
	DBB 89-01 G.A	7			899.5	7179	3/1/8	978.0		9/5 53
	764	1.32	903.15		901.83	EIM 89-07 G.J	i		-	913.7
	50-68 MAG			:	847.9	Puc	-			61.916
	2×9 " " "		,	:	900.43	3 6				3/6 245
	7.50	7		2.57	920.58	10/07	7.76	12.71	25	910,55
	DISM 89-01 6"7	7			893.6	ELM 89-03 6.2			3.75	9/4.0
	PVC				895.99	<del></del>			1.43	87.916
	Steel			869	896.17	Casting				316.45
	705	0.88	893.65	16.38	892.77	TPM	87.78	919.23	6.63	80.116
	DBN 89.0219 G.d			8.85	8.488	ELN 89-06B GA			13.73	906.1
	> N d	!			887.10	1	-		11.61	908.22
•	30				887.25	S. S.				908.87
					,	1612	3.64	928.67	0.20	919.03
									-	
**************************************				1.00	W. 61.57					
	A TANAS PROPERTY.			The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s						

7		9	12	9	<u>ک</u>	725	من	S	9	5	8	.58	4			<del></del>		-						i		1
E L	9,9,4	921.	87.8	917.56	9205	922.72	922.8	920.4	9/6	22	922.	9/6	922.42													
3	533	3.64	2.89	8/2	5.67	3.125	327	5 68	5.93	3.75	2715	52.53	3.58													
H				926.15	-			925.535				926.00														
35				8,59				400				642														
	Q ND	PVC	1-100 Calles	8	GND	PVC	Stalling		640	PVC	51001		5 0 0													
STA	ELN 8902 A			101	1068 W73	<u>:</u>	٤ .	TP 19	8			1000	3/5 0 0 2/2	;		!						_			<u>.                                    </u>	
	ELA		<u> </u>		ELF				S ELM	<b>G.</b>		<u>·_·</u>	ò		<del></del>	<del></del> -	•		<del>.</del>	-						
E lev	8426	126.63	08.926	1766	926.38	926.43	924.63		924.63	915.71	90269	2.868	900.95	901.06	341.016	349 945	924.63	·	1	3118.45	915.72	0.8/6	930 A	921.355		
FS	390			~		!	4.04	The second		10.01	1		939		ī	0.34	3.11.5	27.575		, ,	298		. !			
HI								The second	436.42	16:516					920.285	927.745		Jana Sales		918.70	424.74					
85								A Contract of the last	1.79	0.00					10.14	280		\$ : 27.58 Satisficial			99.02 9.045					
٠ ح	6,4	PVC	Cosins	Gn.	PVC	Starl	20,000		900			GND	PVC	Steel			2,000			Stel		GNO	Pre	5/201	(iii)	
· S	8 4068 N73		- 4 4	ELN 8904A			Disk e k		Disk . E 15 000 179 926.47	TP 13	In dit	50.63 P.05			TPIS	7 P 16		The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		ECM 89-03	TP 17	ELN 8942 B			4	!
	1 -1	ابت	- 1	-1	-i		1	'     [i	ြင်			-4				-	3	1	•	٠٧,	-	7	•		•	•

									and the state of the same	*	-
- 4			I	10	1111376	<u></u>		· -	:		<u>െ</u>
				4-14-1			<u> </u>	\$ <b>1</b>	<u> </u>	<u>F</u>	111
	-	AKEM	1-1-	U	17:	; ;	6 60 £ Part 13 (Res. 178)	180 0.9	824.225		822.01
							76 34	999	8/5.58	11,635	
		4	13.5	HI.	5)	7	10.05	62.73	822.50	1.87	8/3.7
	S = 10	~ 00	7,8.9	191.02		784.18					_
	76	12	9.75	800 37	Oh Č	79067	I SPN 8903 B G.			774	8/5.1
	7.6	ec	11.10	810.77	07.70	19967	> n d			77.15	0.8/8
	SFN 8703	GND			9.19	801.6	1 3			429	8/8.2
	-	PVC	: : : : : : : : : : : : : : : : : : : :	:	6.5.9	804.75	7.10 DE028 NUS			723	815.3
		1375			633	8h 108	1000	-		50/	8/8,2
	SPN 8905	620		1	666	801.6	1. 3/4/6.			75	8/8.65
		PVC		1	219	80405	TP 25	6.83	822.51	682	815.68
	:	Station	-66-y			12.408	76 77	7.01	826.02	M	819.0
	T P 23	-	4	916.76	240	18.608	SPN 890AC GIL			80.5	0.068
3	21.07				4.67	812.09	2 / C     P VC			50	822.595
					:	. :	)	uh		i	822,64
	4						SPN 8902 13 60.11			576	820.3
			Ī		1		7110			49	823.5
	1. A Port 0		3.36	14.68		11/1/08				1.	823,655
	SPN 89046	6h.				9708	1 SPN 8902 A GA	-		12	\$20.
	:	DVZ		:	(A)	12 hos	PAC			235	823,6
		Cerren		!	3.05	804.45	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	1		27.0	823.7
	11.68 nd.	Voj.		!		2008	26 0	[ ] [ ]	829,55	3.179	820.23
	: ;	Pr.			0 -	803.17		564	832,15	100/	825.8
	- 2	3.		:		805.56					
	21.11.57				\ \ \ \	103.10				<u> </u>	
<u> </u>		-		THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE P		Same					

•

881.48 0.45 868.84 881.48 0.45 868.84 1.60 878.6 1.60 878.6 1.78 883.48 1.78 883.48 1.78 883.48 1.78 883.48 1.78 883.48 1.78 883.49 1.78 883.49 1.78 883.48 1.78 883.49 1.78 883.48 1.78 883.48 1.78 883.49 1.78 883.49 1.78 883.49 1.78 883.48 1.78 883.49 1.78 883.49 1.78 883.48 1.78 883.48 1.79 883.48 1.70 883.48 1.70 883.48 1.70 883.48 1.70 883.48 1.70 883.49 1.70 883.48 1.70 883.48 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 883.49 1.70 8	
PSG 8904 G.d 159 PSG 8904 G.d 6.d 6.d 6.d 6.d 6.d 6.d 6.d 6.d 6.d 6	X The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the
STAN DS HI FS 511.  SPN 890 C Gal  1,38 8238  2,11 830.004  1,75 830.30  2,33 828.9  2,34 830.30  2,34 82.8  1,75 830.30  2,34 82.8  1,75 830.30  2,34 92  2,34 92  2,34 92  2,34 92  2,34 92  2,34 92  2,34 92  2,34 92  2,34 92  2,34 92  2,34 92  2,34 92  2,34 92  2,34 92  2,34 92  2,34 92  2,34 92  2,34 92  2,34 92  2,34 92  2,34 92  2,34 92  2,34 92  2,34 92  2,34 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4 92  2,4	A CONTRACTOR OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY O

_	-									  -  -	
STA	•	3	Ī	٠; در							9
TP-40	معن :		27	23.67	917.34		<u> </u>	F	FS	E	۲
	Gad			7.03	9192	الله المار		885.14	1:1	884.54	<u>.</u>
	244	!	:		432.14	PIN 8910 D GJ			=	880.9	· —
दं 8	- 20 S	į		398	922,29	1 PV .			0.89	188	2
5 1 5068 No.7	6.4				919.5					•	385
9	2	1	1		921.99	P10 31 13 014			7.02	878.	
516.	 3 :				922.19		020	18748	0/	874	
2 8 890 8 6	6.0				9.816	3/2 1/5	3.53	H1018	₹ 20.70	866.6	
, , , , , , , , , , , , , , , , , , ,	7				921.13	100 C			5:7	860.5	7
42	Stee				321.26						,
LON8902A G	, / ³ (5)	!		_	9/8/6		- 15 C				<del>,</del>
!	\ <u>\</u>				920.59	:		;		:	T
275	S. Je. C.			1 -	920.735						<del>,</del>
10 E		0.63	921.045		920.215	PAN 6205 C 122	0.89	(0)997		1.818	\$
76.42	0		908.45		907.945	\$ 50 E	0.57	0/0/		878.385	50
TPUS	3	7,64	18.288		895.27	1 Bis 89-62 64			5.10	873.	<b>۵</b> 0-
PBN 890 B 6.J	ادّ			0	1.688	F=5 +0-68 21"	- :		03:01	868.0	_d
	Ų				18168	7.16.49-01			2 4/4/	875	_L
S. S. S. S. S. S. S. S. S. S. S. S. S. S	- 0				161168					 	·
5 7 CI 63 118d	6			9.10	8.988						,
	٨ڒڔ			6.265	569.688						
73/5	, (n	- : : !		509	582.688						
PBN8910C		i	:		684.7						
,	٧٥	:			887.00					<u>-</u>   	
3	- ch			( بر کی	ho'288						
			-	-							
_		_	_				_				

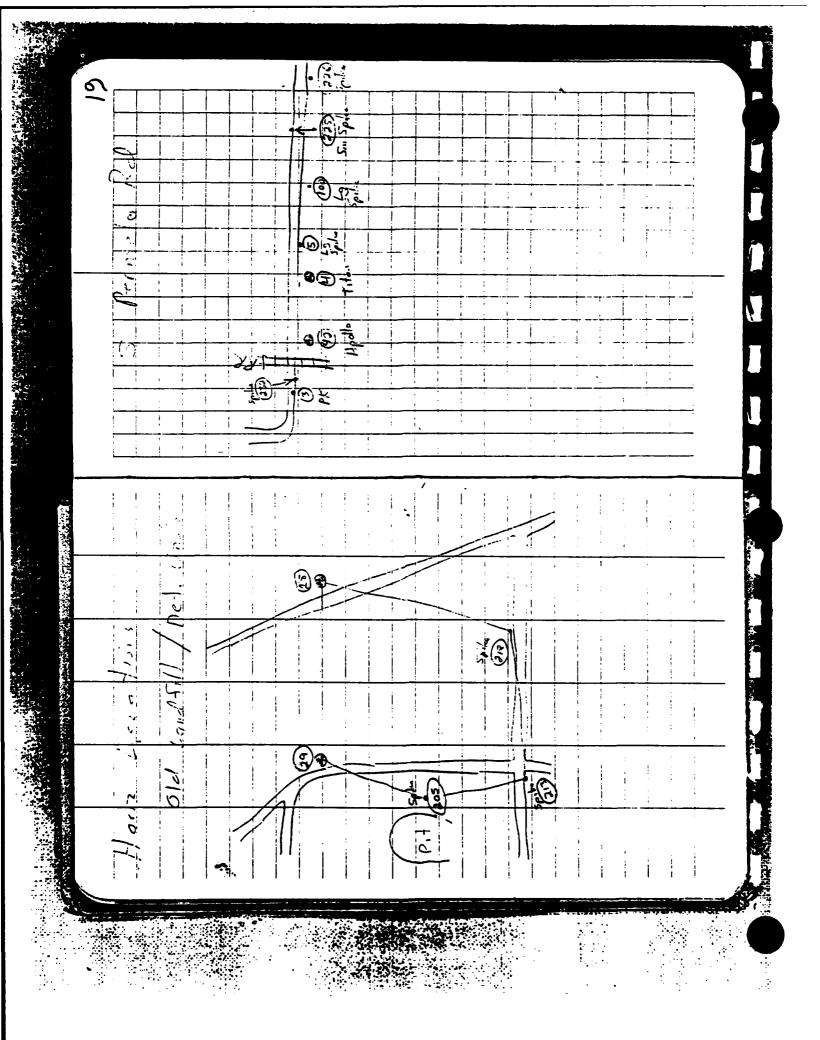
CALL STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, S

51	D.10 866.4555 (3.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S.10 866.455  S	
	PBN 8501 N SELL STAN 8501 N SELL STAN 8501 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 8503 N SELL STAN 85	
	999.27 905.49 999.21 905.49 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 899.20 89	ARTICLE WALLSANDSHARD CONTROL
	Poll 8503 A Shell 6,23  Poll 8902 B Shell 6,23  Poll 8902 B Shell 8,045  Poll 8902 B Shell 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. L. 8,045  Poll 8906 G. R. 8,045  Poll 8906 G. R. 8,045  Poll 8906 G. R. 8,045  Poll 8906 G. R. 8,045  Poll 8906 G. R. 8,045  Poll 8906 G. R. 8,045  Poll 8906 G. R.	Temperature of the second

は、一般の一般の一般の一般の一般の一般の一般の一般の一般の一般の一般の一般の一般の一	· · · · · · · · · · · · · · · · · · ·	No Combi	THE WASHINGTON	CO. CO.							*
										-	1
STA	\S.	7/7	123	- 4	A 178		33	HT	FS	#16	
PBM 8506 Cases;	9.11	857.565	<u> </u>	848.455	Pen 8506	St. 1	5.18	853.635		4.848	5
TP 53	12.75	870,005		857,255	TP 60		947	852.675	3.43	851.21	بع
12 d T	11.03	883,635		869.605	TP 61		7.14	858.23	7.535	8	60.
756.5 5 70 67.	6.03	888.875	られたの	\$83.888	ACUS NEC	Gm2			560	852.	- <b>\</b>
100 8068 Way			3.00	885.5	:	11/4			257	855.	و
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			0.32	888.555	7 Vi	ا ا ا ا			2.52	858	
740	:		9/0	888.715	PIBN 8913 B	6,4	:		5,60	852	- <b>\</b>
75 0 F.	0.0	879.635		879.445	= '	PYS			2.19	856.0	7
1.6.56	0.40	568.335	8 1271	867.925	3 · ·	1 2 2 2	/3./	857.635	1.905	856.32	7
PBN 8904 C G.L			15.60	857.7	69 4.1	ار <del>ب</del>	5.79		500	2448	25
!				25.828	P30185116	ر ا الا			506		5
				860.51		\					)
PBN 8904 B G.J			~\	856.9			-				
N PUZ			9,10	859.225	1						
SI." (			:	859.395							
. 1	0.2%	860,375	133	860,095	1	560. 5	5.6				
76.2		851,995	,	849.575		. !					
POM 8907 G.L.	į		0 11.5	9.9%8		-	-				
100			3,(,,)	849.355		!					
s y	i	, 3	_	849.555						ļ !	
1925 VAL 1 SCIT	, x	854.665	80 × 1. /	847.015							
25 21	7.2	859.985	. , . 8	352,095					 	-	
	7,00	865,655	<b>70</b>	856.655		<u>i</u>			<u> </u>	<u> </u>	
PBM 8505 21			<b>8</b> 69°C	396.1.98					-	<u> </u>	
i :	1		i	!	: : : -		<u> </u>				
The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	-		<u>-</u>	·			-				

Taller of the State of State of

**



This Page Intentionally Left Blank.

# APPENDIX C

COMPUTER INPUT - OUTPUT FILES

This Page Intentionally Left Blank.

State Plane 0	Coordinate	Record	(*81*	record)	**
---------------	------------	--------	-------	---------	----

CC01-06	Sequence Number	(OPTIONAL)	
CC07-10	Data Code (IE: *81*)		
CC11-13	Station Serial Number	(OPTIONAL)	
CC14	Blank		
CC15-44	Station Name		
CC45-54	X Coordinate, in feet, to three decimal p	olaces.	
	decimal point implied between CC51-52 (X)		
CCS5-65	Y Coordinate, in feet, to three decimal p		
	decimal point implied between CC62-63 ()		
0066-69	State and Zone code (SSZZ)	,	
CC70- <b>75</b>	Elevation of mark above MSL, in meters, o	lecimal	
	point implied between CC73-74 (EEEEee)	(OPTIONAL)	
CC76	Elevation code	(OPTIONAL)	
CC77-78	State or Country Code	(OPTIONAL)	·
CC79-80	Station Order and Type	(OPTIONAL)	
	<b>.</b>		

# Geodetic Position Record (IE: *80* record) **

0001-06 0007-10	Sequence Number Data Code (IE: *80*)	(OPTIONAL)	1, 1	
CC11-13 CC14	Station Serial Number Blank	(OPTIONAL)		
CC15-44	Station Name			
CC45-55	Geodetic Latitude: Deg-Min-Sec, to 5 decim	nal places,		
	decimal point implied between CC50-51 (DD)	MSSssss)		
CC56	Direction of Latitude: N or S			
CC57-68	Geodetic Longitude: Deg-Min-Sec, to 5 decidecimal point implied between CC63-64 (DDI	•		
0069	Direction of Longitude: E or W			
CC70-75	Elevation of mark above MSL, in meters, de	ecimal		
	point implied between CC73-74 (EEEEee)	(OPTIONAL)		
CC76	Elevation code	(OPTIONAL)		
CC77-78	State or Country Code	(OPTIONAL)		
CC79-B0	Station Order and Type	(OPTIONAL)		

ECJORD	PC	Jul	7,	1989	5:14p	Page	1
000010*81*	PBN-89-01-B			2066556775	48939604	194902	
000020*81*	PBN-89-01-C			2068636871	43939435		
000030*81*	PBN-89-01-D			2066581611	48939623		
000040*81*	PBN-89-02-B			2067234356	48941067		
000050*81*	PBN-89-02-C			2067165143	48941436		
000060*81*	PBN-89-03-B			2065815461	48945560		
000070*81*	PBN-89-03-C			2065850277	48945543		
000080*81*	PBN-89~04-B			2066594115	48767157		
000090*81*	PBN-89-04-C			2066626847	48764972		
000100*81*	PBM-89-05			2065361425	48940218		
000110*81*	PBM-89-06			2067761407	48950778	314803	
000120*81*	PBM-89-07			2065978089	48763808	344803	
000130*81*	PBM-83-08			2067279533	4875191	964803	
000140*B1*	PBM-89-09			2067007009	49240039	974803	
000150*81*	PBN-89-10-A			2067035338	49115481	.34803	
000160*81*	PBN-89-10-B			2067073406	49115849		
000170*81*	PBN-89-10-C			2066998283	49115244	184803	
000180*81*	PBN-89-10-D			2088922641	49114136	64603	
000190*81*	PBM-89-11			2068928004	49341034	164803	
000200*81*	PBN-89-12-A			2086514440	48633760		
000210*81*	PBN-89-12-B			2066513920	48631059		
000220*81*	LOM-89-01			2067665665	49201346		
000230+81*	LGN-89-02-A			2067670909	49156959		
000240*81*	LON-39-02-B			2067700120	49157834		
000250 <b>481</b> *	LCN-89-03-A			2067845115	49157976		
000250 <b>*81*</b> 000270 <b>*81</b> *	LON-39-03-B			2067809341	49157777		
0001704814	888-39-01			2066733855	49057463		
000130481*	288-39-02 238-39-03			2068651677	49036848		
000500*81*	525-55-04			2066473108	49037443		
000310481*	PBB-89-0 <b>5</b>			2088224513	49161101		
000310*81*	F3B-89-06			2066962755	49164737		
000330*81*	PBB-89-07			2067026129	49193227		
000340*81*	PBB-69-10			2066944163 2066867194	49181735		
000350*81*	DBM-89-01			2074387734	49108994		
000360*81*	DBN-89-02-A			2074905068	50033783 50036415		
000370*81*	DBN-89-02-B			2074289003	50035473		
000380*81*	DBM-99~03			2075023543	50049779		
000390+81+	DBN-89-04-A			2074329532	50187967		
000400*81*	DBN-89-04-B			2074311035	E0:40285		
000410*81*	DBM-85-05			2074130252	50055720		
000420 <del>*</del> 81*	DBB-39-01			2074490086	50080843		
000430*81*	DBB-89-02			2074501167	50096351		
000440*81*	DBB-89-03			2074277995	50106914	64503	
000450*81*	ELM-89-01			2075126739	50111182		
000460*81*	ELN-89-02-A			2075613011	50101286	74803	
000470*81*	ELN-89-02-B			2075665078	50101237	44803	
000480*91*	ELM-89-03			2076340181	50113316	64803	
000490*81*	ELN-89-04-A			2076135647	50178943	14803	
000500*81*	ELN-89-04-B			2076180467	50172048	54803	
000510*81*	ELM-99-05			2075796343	50222349		
000520*81*	ELM-89-06			2076321781	50142003	44803	

ECJORDA	PC	Jul	7,	1989	5:14p	Page	2
000530*81*	ELM-89-07			2076027644	50049892	34803	
000540*81*	ELM-89-08			2075568068	50050194	14803	
000550*81*	ELM-89-09			2074790649	50129708	14803	
000560*81*	SPN-89-01-C			2064457030	48472112		
000570*81*	SPN-89-02-A			2065342485	484746486	04803	
000580*81*	SPN-89-02-B			2065361485	48473945	34803	
000590*81*	SPN-89-02-C			2065402750	48474370	44803	
000600*81*	SPN-89-03-B			2066066335	484933290	04803	
000610*81*	SPN-89-03-C			2066035198	494905402	24803	
000620*81*	SPN-89-04-B			2067074674	48468998	54803	
000630*81*	SPN-89-04-C			2067177105	484692830	54803	
000640*81*	SPN-89-05-A			2072977522	48480253	74803	
000650*81*	SPN-89-05-B			2072963296	48479118	54803	

43223148389N089424659580W

ECJORDGP Jul 7, 1989 5։ 15թ Page 2 000530*80*000 ELM-89-07 43222239583N089425062117W 000540*80*000 ELM-89-08 43222244116N089425684343W 000550*80*000 ELM-89-09 43223032099N0B9430733293W 000560*80*000 SPN-89-01-C 4319469158BN089452790153W 000570*80*000 SPN-89-02-A 43194714078N089451592045W 000580*80*000 SPN-89-02-B 43194707082N089451566366W 000590*80*000 SPN-89-02-C 43194711161N089451510518W 000600*80*000 SPN-89-03-B 43194896479N089450611934W 000610*80*000 SPN-89-03-C 43212746331N089450613887W 000620*80*000 SPN-89-04-B 43194653171N089445248650W 000630*80*000 SPN-89-04-C 43194655681N089445110051W 000640*80*000 SPN-89-05-A 43194745941N089433261711W 000650*80*000 SPN-89-05-B 43194734774N089433281009W

ECJORDUT

1

Jul 7, 1989 5:16p Page 1

FINAL COORDINATE LISTING FOR 1-89521

# NATIONAL GEODETIC SURVEY 6P TO UTMS PROGRAM 1927 DATUM

VERSION 1.0

STATION NAME	LATITUDE (NORTH)	LONGITUDE (WEST)	NORTHING(Y) METER	EASTING(X) METER	ZONE	CONVERGENCE D M S	SCALE Factor	ELEV (N)	HT(N, BEDID
PBN-89-01-B	43 20 33.0303	9 089 44 59.30254	4802308.091	277105.359	16	-1 53 17.26	1.00021117		
PBN-89-01-C		8 089 44 58.21869	4802306.697	277129.745		-: 53 16.51	1.00021104		
PBN-89-01-D		6 089 44 58.96643	4802307.374	277112.928	16	-1 53 17.03	1.00021113		
28N-89-02-8		2 089 44 50.13244	4802305.122	277311.971	16	-1 53 10.96	1.00021004		
PBN-89-02-C	43 20 33.1931	7 089 44 51.06893	4802307.003	277290,922	16	-1 53 11.60	1.00021015		
PBN-39-03-B	43 20 33.6404	17 089 45 9.33212	4802334.561	276880.142	16	-1 53 24.17	1.00021241		
?BN-89-03-C	43 20 33.6377	5 089 45 3.36097	4802333.927	276890.748	16	-1 53 23.85	1.00021235		
PBN-39-04-8		4 089 44 58.36728	4801732.255	277097.837	16	-1 53 16.36	1.00021121		
PBN-39-04-C	43 20 15.7793	1 089 44 58.42525	4801775.228	277107.571	16	-1 53 16.05	1.00021116		
PBM-35-05	43 20 33.1260	8 089 45 15.47859	4802323.060	276741.217	16	-1 53 28.38	1.00021317		
78M-69-06	43 20 34.0979	9 089 44 42.99601	4802328.932	277473.621	16	-1 53 6.09	1.00020915		
PBM-89-07	43 20 15.1773	7.20245	4801794.035	276910.322	16	-1 53 22.10	1.00021224		
PBM-39-08	43 20 14.4706	1 989 44 49.59870	4801728.315	277305.006	16	-1 53 9.94	1.00021008		
PBM-89-13	43 21 2.6918	6 089 44 53.08683	4803213.546	277275.469		-1 53 14.02	1.00021024		
PBN-89-10-A		1 )89 44 52.75436	4802333.720	277270.448	15	-1 53 13.36	1.00021027		
28N-39-10-8	48 20 50.4282	12 089 44 51.23901	4802639.424	277282.087	16	-1 53 13.01	1.00021020		
83N-33-10-0	43 20 50.3657	6 089 44 53.25595	4802332.406	277259.132	16	-1 53 13.71	1.00021033		
2BN-E9-10-0	43 20 50.2585	5 089 44 54.29012	4802935.358	277235.963	16	-1 52 14.41	1.00021045		
?SM-39-11	43 21 12.6698	4 089 44 54.14195	4803527.153	277261.358	16	-1 53 15.09	1.00021931		
98N-89-12-A	43 20 2.8223	9 089 44 59.99953	4801275.581	277058.943	16	-i 53 16.68	1.00021143		
PBN-89-12-3		3 089 45 0.00756	4801268.459	277658.489	:٤	-1 53 16.53	1.00021143		
LOM-39-01	43 20 58.8502	8 089 44 44.18822	4803093.433	277471.912	16	-1 53 7.77	1.00020916		
LJN-39-02-A	43 20 54.4658	16 089 44 44.13557	4802958.133	277468.545	:6	-1 53 7.58	1.00020918		
LON-89-02-8	43 20 54.5513	8 089 44 43.73987	4802960.478	277477.541		-1 53 7.31	1.00020913		
LON-89-03-A	43 20 54.5610	7 089 44 41.77744	4802959.323	277521.835	16	-1 53 5.96	1.00020889		
LCN-39-02-8		0 089 44 42.26169	4802959.109	277510.913	16	-: 53 6.30	1.00020895		
PBB-39-51	43 20 44.6663	9 389 44 56.35818	4802665.25:	277172.231	16	-1 53 15.99	1.00021080		
PBB-53-02	43 20 42.6328	3 089 44 57.97871	4802603.341	277144.933	:6	-1 53 16.68	1.00021095		
PBB-39-03	43 20 42.6967	4 389 45 0.39510	4802607.112	277090.590	. 6	-1 53 18.34	1.00021125		
PBB-89-04	43 10 54.9033	10 089 44 <b>55.5890</b> 0	4802980.122	277211.216	16	-1 53 15.47	1.00021059		
PBB-39-05	43 20 55.2547	9 089 44 53.44583	4802989.375	277259.826		-1 53 14.01	1.00021032		
P88-89-06	43 20 58.067	3 089 44 52.84720	4803075.705	277276.163	16	-i 53 12.69	1.00021023		
PBB-39-07 :	43 20 56.9348	2 089 44 53.96124	4803041.587	277249.930	16	-1 53 14.42	1.00021038		
PBB-89-10		1 089 44 55.03263	4802820.799	277218.505	16	-1 53 14.91	1.0002:055		
DBM-89-01	43 22 20.8602	3 089 43 12.83194	4805556.074	279611.292	16	-1 52 7.81	1.00019750		
DBN-89-02-A	43 22 21.1023	9 089 43 5.82638	4805558.402	279769.203	16	-1 52 3.00	1.00019664		
DBN-39-02-B	43 22 20.8129	7 089 43 6.04523	4805549.634	279763.987	16	-1 52 3.14	1.00019667		
DBM-99-03	43 22 22.4184	3 089 43 4.21618	4805597.821	279806.766	16	-1 52 1.94	1.00/3644		
<b>DBM-</b> 89-04-A	43 22 31.1520	9 089 43 13.57185	4805874.126	279605.001	16	-1 52 8.68	1.00019753		4

ECJORDUT	Ju	l	7, 1989			5:16p	Page	2						
DBN-89-04-B	4	3 2	2 31.38165	089	43	13.82205	4805881	.392	279599.601	16	-i	52	8.36	1.00019756
DBM-89-05	4	3 2	2 23.03495	089	43	16.30814	4805625	.719	279535.246	16	-1	52	10.28	1.00019791
DBB-89-01	4	3 2	2 25.50447	089	43	11.42475	4805698	.318	279647.637	16	-1	<b>5</b> 2	7.00	1.00019730
DBB-89-02	4	3 2	2 27.03589	089	43	11.26767	4805745	.448	279652.713	16	-1	52	6.95	1.00019728
DBB-89-03	4	3 2	2 28.08664	089	43	14.28456	4805780	.079	279585.875	16	-1	52	9.06	1.00019764
ELN-89-01	4	3 2	2 28.47993	089	43	2.79079	4805783	.776	279844.941	16	-1	52	1.17	1.00019623
ELN-89-02-A	4	3 2	2 27.48619	089	42	56.21134	4805748	. 293	279992.015	16	-1	51	56.61	1.00019544
ELN-89-02-B	4	3 2	2 27.47956	089	42	55.50639	4805747	.572	280007.874	16	-1	51	56.13	1.00019535
ELM-89-03	4	3 2	2 28.64980	089	42	46.36003	4805776	.973	280214.891	16	-1	51	49.88	1.00019423

# FINAL COORDINATE LISTING FOR 1-89521

# NATIONAL GEODETIC SURVEY GP TO UTHS PROGRAM 1927 DATUM

VERSION 1.0

STATION NAME	LATITUDE (HTROM)	LONGITUDE (WEST)	NORTHING(Y) Meter	EASTING(X) METER	IONE			YCE S	SCALE Factor	(H) Elev	GEDID HT(H)
ELN-39-04-A	43 22 35.13883	089 42 49.09887	4805979.168	280159.769	16	-1	51 SI	.98	1.00019453		
ELN-89-04-8	43 22 34.45631	089 42 48.49521	4805957.670	280172.669	16	-1	51 51	.55	1.00019446		
39-05	43 22 39.43764	089 42 53.67303	4805115.140	280061.149	16	-i	31 <b>5</b> 5	.28	1.00019506		
89-06	43 22 31.48389	089 42 46.59580	4805864.578	280212.430	16	-1	51 50	.14	1.00019424		
-99-07	43 22 22.39583	089 42 50.52117	4805587.156	280112.712	16	-:	51 52	.59	1.00019478		
ELM-89-08	48 22 22.44116	089 42 56.34343	4805593.115	279972.720	15	-:	5: 58	. 37	1.00019554		
ELM-89-09	-3 12 30.02099	089 43 7.33293	4805843.306	279744.571	15	<b>-</b> :	52 4	. 36	1.00019678		
3PN-89-01-0	43 19 46.91588	089 45 07,30153	4800906.702	276-14.060	16	-1	53 35	.30	1.00021497		
SPN-69-02-A	43 :9 +7.14079	089 45 15.92045	+800904.726	276684.427	à	-:	53 17	.07	1.00021348		
SPN-89-02-8	43 19 47.07082	089 45 15.66366	4800902.377	276690.139	:6	-:	53 26	. 39	1.00021345		
SPN-39-02-0	43 19 47.11161	089 45 15.10518	4800903.220	276702.758	16	-!	53 25	.51	1.00021338		
SPN-89-03-8	43 19 48.96479	089 45 6.11934	4800953.714	276907.023	16	-1	53 20	.40	1.00021226		
SPN-89-03-C	43 21 27.46331	089 45 6.13887	4803992.444	277006.829	16	-1	53 23	. 85	1.00021171		
SPN-39-04-B	43 19 46.53171	089 44 52.48650	4800868.533	277211.586	16	-:	53 10	. 95	1.00021059		
SPN-89-04-C	43 19 46.55681	089 44 51.10051	4800863.280	277242.827	!6	-			1.00021042		
SPN-89-05-A		089 43 32.51711	4800838.148	279011.338		_			1.00020076		
SPN-29-05-3		089 43 32.31009	4800934.945	279006.879		-			1.00020079		

16 adjusted of the Color Charles, 1987, 1981, 1981, 1981, 1981, 1989

ITEM MONITORING WELL	MISCANSIN STATE PLANE COORDINATES NORTHING EASTT	STATE DINNTES EASTING X	GRID BADGER PLANT COONDINATES NORTHING EASTIN	ER PLANT NATES EASTING	ELEV HIGH PT PROTECTIVE CASE	ELEVATION PT HIGH PT IVE INNER CASE	GROUND	ITEM MONITORINA WELL
	IN THE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE	r F H	11 11 11 11 11 11 11 11				HUNUMUMA	
Southern Perimeter	rimeter							
S1101	484732.3.	2064450.7	2803.2	3556.1	831.53	830.21	828.2	S1101
S1102	484691.9	2067598.2	2812.7	6703.8	809.52	809.13	807.7	S1102
S1103	484687.8	2067590.8	2808.4	6696.5	809.17	809.13	807.5	S1103
S1105	484792.2	2071088.8	2968.2	10192.4	840.36	839.08	837.8	S1105
S1106	484793.1	2071101.0	2969.2	10204.6	839.82	839,72	838.1	S1106
51107	484860.1	2072643.5	3060.6	11745.8	812.09	812.08	810.3	S1107
S1108	484751.5	2073314.8	2962.6	12418.8	784.18	782.74	781.3	S1108
S1133	484744.6	2064454.8	2815.6	3560.0	828.92	828.29	828.2	S1133
51147	484926.7	2066046.9	3022.9	5149.0	817.39	817.14	815.7	S1147
51148	484690.1	2067097.1	2802.9	6203.6	803.70	803.69	802.1	S1148
S1149	485126.2	2068010.8	3253.4	7109.5	807.77	807.64	806.1	S1149
S1152A	484581.3	2067590.9	2701.9	6698.3	813.68	813.58	810.5	S1152A
S1152B	484581.4	2067583.5	2701.9	6.0699	813.30	813.15	810.3	S1152B
	,							
Northwest Perimeter	arimeter ARRSSS 6	2064509 9	0.2039	3555	ASE, A1	856. 58	855.1	81109
c1127	503377 9	2063312 3	21428 5	2123.0	880.39	880 35	878 3	51127
21120	504036 S	2062711	22025	1511 7	870 27	270.33		97179
21160	202020	2002/11.3	6.11022		10.00	10.00	7.110	07116
West Perimeter	er							
\$1123	494499.0	2062374.6	12535.9	1325.8	868.87	868.79	866.8	S1123
S1126	500011.3	2063331.3	18062.6	2195.2	876.98	876.95	874.7	S1126
Existing Landfill	dfill 501452 0	c crestor	10710 2	16211 6	000	00	7 900	C 85 1152
8-63-1-23	501452.3	7.7/50/07	(3)(0.3	0.11261	200.12	200.00		2-01-0
Magazine Area								!
S1115 S1116	490444.8 490446.2	2070338.9 2070357.4	8608.1 8609.9	9353.3 9371.7	863.86 864.06	863.37 862.31	860.9 860.4	S1115 S1116

HOUSE GLAD AUGUSTAL OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STAT

ITEM MONITORING WELL	S1129 S1130 S1131 S1132 S1151 S1151 NAN 81-01-A NAN 81-01-D NAN 81-02-B	
GROUND	911.2 940.4 939.9 913.6 891.6 910.8 910.7	913.8 810.6 846.8 836.4 820.1 813.9 878.0 878.2 894.7
ELEVATION PT HIGH PT IVE INNER CASE	913.12 941.18 942.17 915.41 893.43 913.50* 913.32 914.99*	915.02* 813.12 848.82 838.29 821.37 815.43 879.69 879.83
ELE HIGH PT PROTECTIVE CASE	913.13 943.61 943.40 915.48 893.54 913.18 912.57 914.51	914.71 813.15 848.91 838.31 822.09 815.85 879.71 879.71 879.94
GRID BADGER PLANT COORDINATES NORTHING EASTING	6927.7 10427.8 10410.6 11820.6 12256.2 9018.9 9011.3	917; .3 12377.1 14906.4 15763.9 18567.0 18046.1 11904.6 12446.4 6871.3
GRID BADA COORD: NORTHING	21696.1 6927.7 22994.1 10427.8 22994.6 10410.6 20666.3 11820.6 21897.2 12256.2 16605.1 9018.9 16647.8 9142.2 16591.4 9174.2	16574.6 4686.2 5662.9 8312.8 9909.5 14595.7 14404.8 16078.4 14631.5
Sinte RDI:Intes Easting X	2068120.7 2071640.8 2071623.7 2072996.7 2073451.7 2070131.1 2070123.5 2070255.1 2070286.1	207282.9 2073300.4 2075844.8 2075744.1 2079572.1 2079125.3 2072981.6 2073549.8 2067952.6 2067952.6
A K to 1	3569.4 4811.9 4812.7 2462.4 3686.2 3686.2 8446.9 8446.9 8486.8	75.5 75.5 12.1 18.1 94.1 94.1
ITEN WISCONS NOWITORING PLANE OF WELL NORTHIN	North Perimeter \$1129 56 \$1130 56 \$1131 50 \$1132 50 \$1132 50 \$1132 50 \$1151 60 Acid Spill Area NAN 81-01-A 49 NAN 81-01-B 49 NAN 81-03-B 49 NAN 81-03-B 49	

* Note the PVC casing is up from Steel casing and the elevations are on top of the pipe with the PVC cover removed.

ITEM MONITORING WELL	874.99 872.9 S1118	NIN 82-02-A NIN 82-02-B NIN 82-02-C NIN 82-03-A NIN 82-03-B NIN 82-03-C NIN 82-04-A NIN 82-04-A NIN 82-04-A
GROUND	872.9	861.9 861.9 861.9 881.8 882.7 882.7 891.0
ELEVATION PT HIGH PT IVE INNER CASE	874.99 879.76	864.02 863.84 864.08 883.95 885.14 884.75 892.94 893.57
ELEY HIGH PY PROTECTIVE CASE	H	863.96 863.85 864.12 883.97 885.13 884.96 892.96 893.61
GRID BAIXGER PLANT COORDINATES HIGH PT NORTHING EASTING PROTECTIVE CASE	11293.8 14563.9	16540.2 16552.5 16546.1 16021.9 16011.0 16350.0 16354.2
GRID BAIX COORUJ NORIHING	11126.6	13923.9 13922.5 13913.8 13221.9 13221.9 13184.7 13172.1
STATE DINATES EASTING X	2072319.0 2075595.6	2077609.1 2077621.3 2077614.7 2077019.7 2077068.6 2077066.0 2077407.2 2077411.2
NCNITORING PLANE COORDINATES  WELL NORTHING EASTLE  Y  X  X	492932.3 493311.7	495646.2 495644.6 495636.0 494952.2 494952.7 494910.1 494897.4
ITEM NCNITORING WELL	Rocket Area S1118 S1120	New Landfill NIN 82-02-A NIN 82-02-B NIN 82-03-B NIN 82-03-A NIN 82-03-C NIN 82-04-A NIN 82-04-B NIN 82-04-C

1	l 'n	۲,	9	<u>, , , , , , , , , , , , , , , , , , , </u>	_	~	m	4	S	9	m	~	S	7	er.	6	~	, er	•	_		~~	_	_	٠.			_				
FOINT #	7		Œ	7	81	80	80	œ	8	Õ	7	ŕ	ř.	7	ĭ	7,	.8	38	88	9	91	99	69	70	95	96	76	. 92	93	96	66	98
ITEM HONITORING WELL	51134	S1135 ·	S1136	51153	EIN 82-01-A	ELN 82-01-B	EIN 82-01-C	ELN 82-02-A	EIN 82-02-B	ELN 82-02-C	EIN 82-03-A	ELN 82-03-B	ETN 82-03-C	ELN 82-04-A	EIN 82-04-B	EIN 82-04-C	DBM 82-01	DBM 82-02	*DBN 82-01-C	DEN 82-01-B	S1122	NAN 81-04-A		NAN 81-04-C	NIN 82-01-A	NIN 82-01-B	NEN 82-01-C	NEN 82-05-A	NIN 82-05-B	NEN 82-05-C	SIII3	S1104
GROUND	. 919.9	923.8	910.4	905.1	902.5	902.1	. 902.5	913.8	. 914.2	913.9	925.2	925.1	925.0	921.4	921.5	921.2	. 916.7	917.8	904.7	905.2	904.6	. 923.3	. 923.7	923.0	888.3	988	.888.7	. 897.6	6.96	896.3	820.0	: 83/-/
ELEVATION HIGH PT. INNER CASE	921.81	925.99	912.58	908.02	905.02	904.75	902.06	916.00	916.62	916.19	927.68	927.45	926.93	923.72	924.18	923.73	916.72	920.16	907.36	907.80	907.16	925.22	925.91	925.25	890.67	891,29	890.52	899.90	899.32	898.20	821.56	839.21
E - HIGH PT. PROTECTIVE CASE	921.81	926.03	912.70	908.12	905.03	904.72	902.08	915.98	916.65	916.20	927.70	927.43	926.94	923.74	924.22	923.74	918.72	920.15	907:36	907.83	907.16	925.42	925.60	924.94	. 490.64	. 891,28	890.54	899.94	899.36	898.28	823.08	839.72
GRO BADGER PLANT COORDINATES  ** NORTHING ** EASTING	19743.4 14355.8	7	_	19710.6 15211 .6	_	_	_		_	_	_		_	_	_		19075.9 13532.1	-	<b>~</b>		_	16500.2 9372 .6		16499.7 9364.7	_	_	~	~	<u>-</u>	_		2977.6 101.97.8
N STATE ROINATES EASTING X	(2075517.0)	2076130.3	2074922.4	2076372.2	2074747.7	2074753.9	2074754.3	2075972.6	2075970.2	2075976.0	2075871.7	2075859.9	2075858.2	2074921.8	2074908.8	2074913.6	2074682.8	2074472.6	2074435.6	2074447.1	2074442.8	2070483.1	2070492.8	2070475.2	2077028.6	2077022.0	2077019.8	2077680.8	2077694.0	2077691.0	2079571.2	2071094.2
WISCORDINATES PLANE COORDINATES NORTHING EASTIN X	501499,15.	501589.5	502209.1	501453.1	502378.9	502396.3	502387.1	501918.2	501907.5	501913.2	501515.1	501500.7	501515.6	501782.2	501785.4	501799.3	500845.1	501146.6	500707.3	500710.7	500700.4	498335.5	498335.1	498335.1	495554.6	495564.7	495551.0	494908.7	494903.8	494916.2	491608.6	484801.5
FOINT.	92.	22	8	Z	19	87	83	8	82	86	E	7	2	T	28	2	87	88	83	g	16	89	69	2	95	96	97	92	6	76	60	80
ITEN PIONITORING WELL	51134	S1135	S1136	51153	EIN 82-01-A	ELN 82-01-B	ELN 82-01-C	ELN 82-02-A	EIN 82-02-B	EIN 82-02-C	EIN 82-03-A	ELN 82-03-B	ELN 82-03-C	ELN 82-04-A	ELN 82-04-B	ELN 82-04-C	DCM 82-01	DBM 82-02	DEM 82-01-A		S1122	12N 81-04-A	NAN 81-04-B	13N 81-01-C	NEN 82-01-A	MAN 82-01-B	NEN 82-01-C	NEW 82-05-A	NLN 82-05-8	NEN 82-05-C	sill3	s s s s

* Formerly noted as DBN 82-01-A This Page Intentionally Left Blank.



VIERBICHER ASSOCIATES, INC.

ARCHITECTURE • ENGINEERING

PLANNING • LAND SURVEYING

REEDSBURG, WISCONSIN

# REPORT FOR PROFESSIONAL SURVEYING SERVICES HORIZONTAL AND VERTICAL LOCATION SURVEY

## BADGER ARMY AMMUNITION PLANT

Task Order Memorandum 002 U.S. Army Toxic and Hazardous Materials Agency (USATHA)

# Prepared for:

E.C. Jordan Co. 261 Commercial Street P.O. Box 7050 Portland, Maine 04112

Prepared by:

Vierbicher Associates, Inc. 940 East Main Street Reedsburg, WI 53959

January 2, 1990

# FINAL REPORT

# SURVEYING SERVICES TASK ORDER MEMORANDUM 002 MONITORING WELL AND SOIL BORING LOCATIONS BADGER ARMY AMMUNITION PLANT SAUK COUNTY WISCONSIN USATHAMA - E.C. JORDAN CO.

The services required for this project includes the horizontal and vertical locations for various monitoring wells and soil borings at Badger Army Ammunition Plant. The horizontal positions have been determined relative to the Universal Transverse Mercator (UTM) system per the NAD 27. The vertical locations are based on Mean Sea Level (MSL) from the 1929 General Adjustment.

The horizontal and vertical control shall be taken from existing control monuments and traverse control currently existing within the Army Ammunition Plant. This control information has been provided by the Army Ammunition Plant.

## HORIZONTAL FIELD SURVEY

The horizontal location has been taken from the existing control or has been extended from said control into the survey areas. The equipment that was utilized for the horizontal control was a Lietz SET-4 electronic total station in combination with a Lietz SDR-22 electronic data collector. The grid factor for distances was keyed into the collector at a value of 0.9998919 this provides for an automatic reduction to grid distances required for geographic computations. The output produced by the data collector is based on Wisconsin State Plane Coordinates. A copy of the field notes generated by the data collector is attached as Appendix A. Due to equipment malfunction of the data collector some of the horizontal field data was gathered by manual field notes. These field notes are included under Appendix B. Multiple readings of horizontal angles and distances were taken to comply with required accuracies. This data was keyed into and adjusted through a surveying computation software program. The results of these computations are included under Appendix C.

# VERTICAL FIELD SURVEY

The vertical location has also been taken from the existing control or has been extended from said control into the survey areas. The equipment that was used for the vertical survey was a Lietz B-1 automatic level. A copy of the field notes for the vertical survey is attached as Appendix B.

#### OFFICE COMPUTATIONS - REPORT GENERATION

The state plane coordinates determined by the data collector report was input into a batch file named ECJOR2PC. The file was then run through a program provided by National Ocean Service - National Geodetic Survey named GPPCGP. This program converts State Plane Coordinates to geographic positions (latitudes and longitude). The output from this run was placed in a batch file named ECJOR2GP. Finally this geographic position file was input through a National Ocean Service - National Geodetic Survey named UTMS. This converts the geographic position to the Universal Transverse Mercator System coordinates. The output file is named ECJOR2UT. The printout from this file list the UTM's for the wells and borings. A copy of the files generated are attached as Appendix D. The input format is detailed in the front of Appendix D. The report chart was then developed by integrating the vertical positions with the final UTM positions.

## SURVEYOR'S CERTIFICATE

I, John L. Brey, Registered Land Surveyor, hereby certify that the above described location survey and the enclosed documentation are correct to the best of my knowledge and belief.

Dated this 2nd day of January, 1990.

BREY 3-1319 John L. Brey, RIS-1319 Vierbicher Associates, Inc. 940 East Main Street

Reedsburg, WI 53959

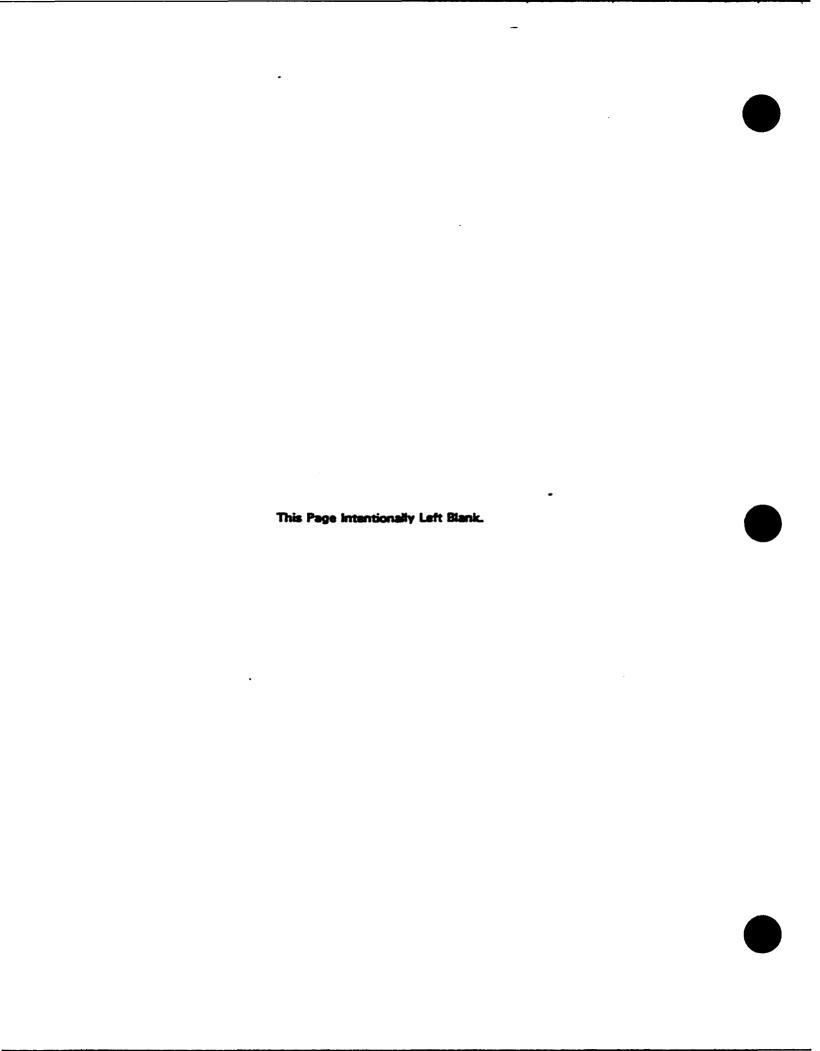
# MONITORING WELL AND SOIL BORING LOCATIONS BADGER ARMY AMMUNITION PLANT TASK ORDER MEMORANDUM \$ 2

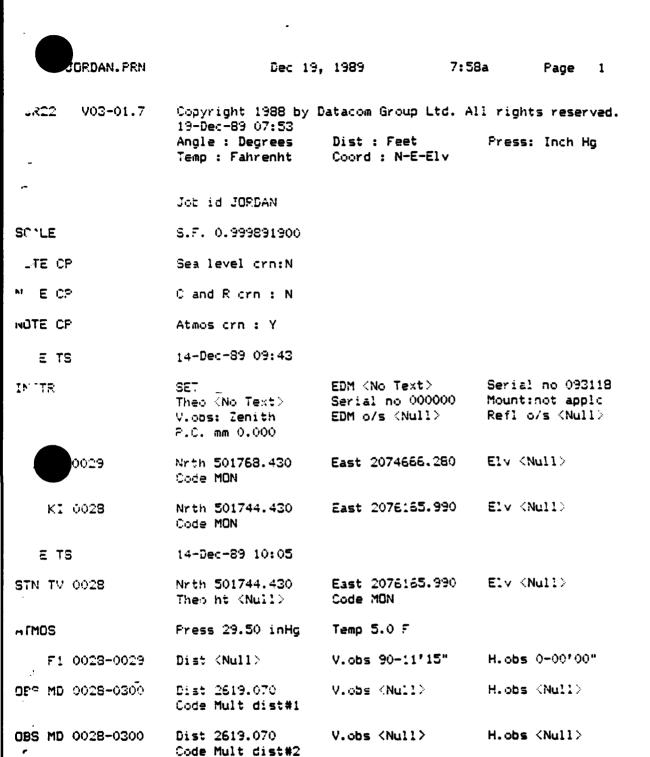
# OLEUM PLANT AND POND

	OLEUM PLANT AND	POND				
<b>MONITORING</b>				ELEVATION	S	MONITORING
WELL OR	UTH	UTH	GROUND	WELL	TOP	ARTT OS
SOIL	NORTHING (Y)	EASTING (X)	SURFACE	RISER	PROTECTIVE	SOIL
BORING	METER	Meter			Casing	BORING
OPB-89-01	4,806,589.3	278,473.5	929.1			OPB-89-01
OPB-89-02	4,306,712.2	279,061.7	875.3			OPB-89-02
OPB-89-03	4,306,681.2	279,113.9	870.1			OPB-89-03
OPB-89-04	4,806,655.3	279,098.0	872.4			OPB-89-04
OPB-89-05	4,306,681.0	279,160.4	883.6			OPB-89-05
OPB-89-06	4,806,613.5	278,662.1	932.8			OPB-89-06
OPB-89-07	4,806,605.1	278,621.4	932.8			OPB-89-07
OPB-89-08	4,806,600.5	278,584.4	933.3			OPB-89-08
CPB-89-09	4,306,585.6	278,519.9	932.2			OPB-89-09
OPB-89-10	4,306,571.3	278,565.8	932.8			OPB-89-10
OPB-89-11	4,306,529.2	278,566.2	932.8			OPB-89-11
OPB-89-12	4,806,539.6	278,586.0	925.6			OPB-89-12
OPB-89-13	4,806,516.3	278,471.9	929.6			OPB-89-13
OPM-89-01	4,806,487.9	278,550.8	924.3	925.99	926.23	OPM-89-01
OPM-89-02	4,806,578.0	279,241.0	377.6	879.46	879.61	OPM-89-02
OPM-89-03	4,806,289.5	278,932.9	928.2	929.75	929.98	OPM-89-03
	NITROGLCERINE PON	0				
NPM-89-01	4,804,671.6	279,174.7	861.5	862.77	863.03	NPM-89-01
	ROCKET PASTE AREA	L				
RPH-89-01	4,803,845.3	279,502.4	886.2	888.65	888.83	RPM-89-01
RPH-89-02	4,803,851.0	279,100.8	873.0	874.76	874.95	RPM-89-02
	OLD ACID AREA					
OAB-89-01	4,805,863.8	276,115.0	873.5			OAB-89-01
OAB-89-02	4,805,805.0	276,121.7	876.8			OAB-89-02
OAB-89-03	4,805,804.8	279,050.1	875.0			OAB-89-03
OAM-89-01	4,805,744.0	276,076.2	872.2	874.38	874.47	OAM-89-01
OAM-89-02	4,805,673.4	276,115.5	872.4	874.91	875.14	OAM-89-02
	OLD FUEL OIL TANK	3				
FTB-89-01	4,805,640.9	276,062.2	874.4			FTB-89-01
FTM-89-01	1,305,592.7	276,061.9	872.4	874.27	874.46	FTM-89-01

This Page Intentionally Left Blank.

# APPENDIX A FIELD DATA PRINTOUT FROM SDR-22





V.obs 90-30750"

H.obs 55-25'30"

Dist 2619.070

Code PK

Code MON

S F: 0028-0300 گل

~						
		JORDAN. PRN	Dec 19	9, 1989	7:58a Page 2	
-	S MI	0 0028-0300	Dist 2619.060 Code Mult dist#1	V.obs <null></null>	H.obs <null></null>	
.; ~	5 MI	0 0028-0300	Dist 2619.060 Code Mult dist#2	V.obs <null></null>	H.obs (Null)	
ĕ	BET		Target ht (Null)			
029	5 F1	0028-0300	Dist 2619.060 Code PK	V.obs 90-30'55"	H.cbs 55-25'30"	
SET	TV	0028	Count 002			
9	MC	0028-0029	Dads MON	_	Azmth 270-85'00'	ч
3	MC	0028-0300		Round Dist) V.ang 90-30'53"	Azmth 326-20'33'	Hora Snd 1 2618,603
3	TV	0300	Nrth 503924.063 Code PK	East 2074714.69	0 Elv (Null)	
- в	TV	0028-0300	Azmth 326-20133"	H.obs 55-25'30"		
STN	TV	0300	Nrth 503924.065 Theo ht (Null)	East 2074714.69 Code PK	0 Elv <null></null>	•
ινυT	E T	S	14-Dec-89 10:47			
s	F1	0300-0028	Dist <null> Code MON</null>	V.obs 89-36'20"	H.obs 0-00700"	
- s	MD	0300-0301	Dist 1296.380 Code Mult dist#1	V.obs <null></null>	_ H.obs (Null)	
Sau	MD	0300-0301	Dist 1296.400 Code Mult dist#2	V.obs <null></null>	H.obs <null></null>	
OBS	F1	0300-0301	Dist 1296.390 Code PK	V.obs 89-41/35"	H.obs 118-37 <b>/55</b> "	
OBS	F1	0300-0028	Dist <null> Code MON</null>	V.obs 89-33'20"	H.obs 359-59'55"	
085	MD	0300-0301	Dist 1296.380 Code Mult dist#1	V.obs <null></null>	H.obs <null></null>	
_				_		

V.obs <Null>

V.obs 89-41'30"

JUS MD 0300-0301

S F1 0300-0301

Dist 1296.400

Dist 1296.390

Code Mult dist#2

H.obs <Null>

H.obs 116-38'00" .

JORDAN. PRN	Dec 19,	1989 7:5	Ba Page 3	
,	Code PK			
SFT TV 0300	Count 002			
3 MC 0300-0028	Dist <null> Code MON</null>	V.ang 89-34'50"	Azmth 146-20'33"	
, MC 0300-0301	Dist 1296.354 Code PK	V.ang 89-41'33"	Azmth 262-58'33"	72 73. 37
TV 0301	Nrth 503765.557 Code PK	East 2073428.224	Elv <null></null>	
* E TS	14-Dec-89 11:20			
SIN TV 0301	Nrth 503765.557 Theo ht <null></null>	East 2073428.224 Code PK	Elv <null></null>	
U3S F1 0301-0300	Dist <null> Code PK</null>	V.obs 90-19745"	H.obs 0-00'00"	
.5 MD 0301-0302	Dist 395.110 Code Mult dist#1	V.obs (Null)	H.obs (Null)	
0301-0302	Dist 395.080 Code Mult dist#2	V.obs (Null)	H. obs <null></null>	
F1 0301-0302	Dist 395.095 Code OPM8902	V.obs 94-12'40"	H.obs 169-02'40"	
TV 0301	Count 002			
OBS MC 0301-0300	Dist (Null) Code PK	V.ang 90-18'45"	Azmth 82-58'33"	
UBS MC 0301-0302	Dist 395.084 Code OPM8902	V.ang 94-12140"	Azmth 252-01/13"	
∟ಎ3 F1 0301-0300	Dist (Null) Code PK	V.obs 90-21'05"	H.chs 0-00100"	
: 5 MD 0301-0303	Dist 683.450 Code Mult dist#1	V.obs <null></null>	H.obs <null></null>	
( 3 MD 0301-0303	Dist 683.430 Code Mult dist#2	V.obs <null></null>	H.obs <null></null>	
( F1 0301-0303	Dist 683.440 Code OP28905	V.obs 92-06'40"	H.obs 204-36'15"	
9 0301	Count 002			

JORDAN.PRN	Dec 19,	1989	7:58a	Page 4	
7 5 MC 0301-0300	Dist <null> Code PK</null>	V.ang	90-21'05" Az	mth 82-58'33"	
9 3 MC 0301-0303	Dist 683.421 Code GP88905	V.ang	92-06'40" Az	mth 237-34'48"	:0
CPS F1 0301-0300	Dist <null> Code PK</null>	V.obs	90-20'45" H.	obs 0-00'00"	
NOTE TS	14-Dec-89 11:35				
.3 MD 0301-0304	Dist 861.080 Code Mult dist#1	V.obs	<null> H.</null>	obs <null></null>	
3 MD 0301-0304	Dist 861.010 Code Mult dist#2	V.obs	<null> H.</null>	obs (Null)	
3 F1 0301-0304	Dist 861.045 Code OPB8904	V.obs	92-09 ¹ 45" H.	obs 194-41'10'	)•
r TV 0301	Count 002				
OBS MC 0301-0300	Dist (Null) Code PK	V.ang	90-20'45" Az	mth 82-58'33"	
UBS MC 0301-0304	Dist 861.021 Code CP88904	V.ang	92-09'45" Az	:mth 277-391431	**
tua F1 0301-0300	Dist <null> Code PK</null>	V.obs	90-11'25" H.	obs 0-00'00"	
3 MD 0301-0305	Dist S28.930 Code Mult dist#1	V.obs	(Null) H.	obs (Null)	
- 3 MD 0301-0305	Dist 825.920 Code Mult dist#2	V.obs	<null> H.</null>	obs (Null)	
: 3 F1 0301-0305	Dist S28.875 Code OP88903	V.obs	92-04'45" H.	.ops 201-06 <b>1</b> 20	**
: r TV 0301	Count 002				
OBS MC 0301-0300	Dist <null> Code PK</null>	V.ang	90-11'25" As	:mth 82-58/32"	
u#S MC 0301-0305	Dist 828.952 Code OP88903	V. ang	92-04145" A:	:mth 284-04/53	, <b>es</b>
LJ3 F1 0301-0300	Dist <null> Code PK</null>	V.obs	90-21'30" H	.obs 0-00'00"	
3 MD 0301-0306	Dist 1022.960	V.obs	(Null) H	.obs   Null)	

.

•

.

			•					
ADA.	N.PRN	D	ec 19, 198	9	7:58a	Fage	5	
	Cod	de Mult dis	t#1					
45 MD 0301		st 1022.960 le Mult dist		bs <null></null>	H.obs	<nu11></nu11>		
_ F1 0301		t 1022.960 e OPB8902	V. o	os 91-52'35'	" H.obs	203-541	30"	
TV 030:	Cou	nt 002						
= 0 0301	- · · ·	t (Null) e PK	V.ar	ng 90–21/30°	' Azmth	82-5813	3"	
S 0 0301		t 1022.931 e OPB8902	V.ar	ng 91-52/35"	' Azmth	286-53'	03"	
T / 0301	Cou	nt 006						
8 MC 0301-		t <null></null>	V.an	ig 90-18/42"	Azmth	82-58 <i>1</i> 3:		red is -
E MC 0301-		t 1022.931 e DP88902	V.an	g 91-52 <b>'</b> 35"	Azmth [/]	9 <i>R 303</i> S 28 <b>6-5</b> 3'(	4172	1022.272
E 30		: 828.852 ∍ OP88903	V.an	g 92-04'45"	Azmth	12 20/16 284-04/5	४ [°] २० " 53"	223 5 m
€ / 0301-		: 861.021 = OPB8904	V.an	g 92-09'45"		גר פטר 277 <b>–39</b> 14		वेंद्रकाल्या ह
3 ' 0301-		: 683.421 : OP88905	V.an	g 92-06'40"	Azmth	1 <i>R 2041</i> 287-3414	13 <i>6 (15 "</i> 18"	682,773
3 t 0301-		395.084 DPM8902	V. an	g 94-12'40"		פי (י) יים 252–0111		2047242
3 7 0306	Nrth Cod€	504062.464 CP88902	÷ East	2072450.018	B Elv (N	ul!>		
3 T''_0305		502967.063 OP88903	2 East	2071524.894	4 E1 / (N	u11>		
3 m 0304		503880.261 DP88904	East	- 5. 1 2072 <b>575.5</b> 90	Elv (No	ull>		
3 .V 0303		503971.813 OP88905	East	2072777.234	Elv <ni< td=""><td>ull&gt;</td><td></td><td></td></ni<>	ull>		
; V 0302		503643.945 OPM8902		2073053.488	Elv (Nu	u11>	<b>*</b> *	
: •	)306 Azmt	h 2 <b>86-53</b> °03	" H.obs	203- <b>5</b> 4/30"				

JORDAN. PRN	Dec 19,	1989	7:58a	Page 6
V .E TS	14-Dec-89 11:50			
34 TV 0301-0306	Azmth 286-53'03"	H.obs 203-54'30	)"	
JøS F1 0301-0300	Dist (Null) Code PK	V.obs 90-19'30"	H.obs	0-00'00"
3.3 MD 0301-0307	Dist 2785.010 Code Mult dist#1	V.obs <null></null>	H.obs	<null)< td=""></null)<>
3 J MD 0301-0307	Dist 2785.010 Code Mult dist#2	V.obs <null></null>	H.obs	<nu11></nu11>
3 F1 0301-0307	Dist 2785.010 Code PK	V.obs 89-32/25"	H.obs	179-47'30"
J F1 0301-0300	Dist <null> Code PK</null>	V.obs 90-20'30"	H.obs	359-59145"
J MD 0301-0307	Dist 2725.000 Code Mult dist#1	V.obs <null></null>	H.obs	<nu11></nu11>
3° MD 0301-0307	Dist 2784.990 Code Mult dist#2	V.obs <null></null>	H.obs	<null)< td=""></null)<>
OPS F1 0301-0307	Dist 2784.995 Code FX	V.obs 89-32'30"	H. obs	179-47120"
NOTE TE	14-Dec-39 12:05			
0 3 F1 0301-0300	Dist (Null) Code PK	V.obs 90-22'05"	H.obs	359-59150"
3 3 MD 0301-0307	Dist 2785.010 Code Mult dist#1	V.obs <null></null>	ಟ.ರಶಿಕ	<null></null>
3 ; MB 0301-0307	Dist 2784.980 Code Mult dist#2	V.obs <null></null>	H.obs	<nul:< td=""></nul:<>
3 } F1 0301-0307	Dist 2784.995 Code PK	V.obs 89-32120"	H.obs	179-47/15"
3TT TV 0301	Count 002			
385 MC 0301-0300	Dist <null> Code PK</null>	V.ang 90-20/42"	Azmth	82-58133"
3_3 MC 0301-0307	Dist 2784.922 Code PK	V.ang 89-32'25"	Azmth	262-46103"
3 % F1 0301-0300	Dist (Null)	V.obs 90-20/35"	H.obs	0-00*00"

	•			
JORDAN. PRN	Dec 19,	, 1989 7:5	8a Page 7	
	Code PK			
UPS MD 0301-0308	Dist 84.240 Code Mult dist#1	V.obs <null></null>	H.obs <null></null>	
udS MD 0301-0308	Dist 94.260 Code Mult dist#2	V.obs <null></null>	H.obs <null></null>	
JS F1 0301-0308	Dist 84.250 Code \$831151	V.obs 100-20'40"	H.obs 80-31 <b>155</b> "	
T TV 0301	Count 002			
P' ' MC 0301-0300	Dist <null> Code PK</null>	V.ang 90-20 <b>'35</b> "	Azmth 82-52'33"	
Di : MC 0301-0308	Dist 84.248 Code 9831151	V.ang 100-20'40"	Azmth 163-30'28"	
NI E TS	14-Dec-89 12:20			
F TV 0301	Caunt 003			
0301-0300	Dist (Null) Code PK	V.ang 90-20'38"	Azmth 82-58'33"	
0 3 MC 0301-0308	Dist 94.248 Code S831151	V.ang 100-20'40"	AR 9615:55° Azmth 163-30128"	20.37b
D' 3 MC 0301-0307	Dist 2784.922 Code PK	V.ang 89-32125"	Azmth 262-46'03"	2784.52
PCG TV 0308	Code \$831151	East 2073451.749		
FUS TV 0307		East 2070665.847	Elv <null></null>	
L.N. TV 0307	Nrth 503414.997 Theo ht (Null)	East 2070665.847 Code PK	Elv (Null)	
I TE TS	14-Dec-89 13:37			
s : TP 0307	Nrth 503414.997 Theo ht <null></null>		Elv <null></null>	
B 1 TP 0307-0301	Azmth 82-46'03"	H.obs 0-00'00"		
3 F1 0307-0301	Dist <null> Code PK</null>	V. obs 90-33'35"		
307-0309	Dist 201.110	V.obs (Null)		

JORDAN.PRN	Dec 19	9, 1989	7:58a	Fage 8
	Code Mult dist#1	و ب <i>ورد بر</i> اور		
	Dist 201.110 Code Mult dist#2	V.obs (Null)	H.obs	ن
JS TP 0309	70,14 Nrth 503267.033 Code OPM8901	-0.9 East 2070801.9	⊁' 943 El√ <	/ロハ 5 Null) /17 E File #3,57
JS MD 0307-0310	Dist 246.380 Code Mult dist#1	V.obs (Null)	H.obs	<null></null>
3 MD 0307-0310	Dist 246.880 Code Mult dist#2	V.obs (Null) GRID DIST = 2	H.obs 46.778 #	(Null) IR 1" 14'05"
3 TP 0310	Nrth 503440.782 Code OPB8912	Fast 2070911.2	<i>9g"</i> 74 El∨ ⟨	35 % Null> 345 & Fr- 43-7
3 MD 0307	Dist 141.280 Code Mult dist#1	V.obs <null></null>		
F 3 MD 0307	Dist 141,290 Code Mult dist#2	V.obs (Null)	H.obs	<nell)< td=""></nell)<>
CTS MD 0307	Dist 141.240 Code Mult dist#1	V.obs <null></null>	H.obs	(Null)
ORS MD 0307	Dist 141.240 Code Mult dist#2	V.obs (Null)	H.obs	(Null)
OBS MD 0307	Dist 141.240 Code Mult dist#1	V.obs (Null)	H.obs	<null)< td=""></null)<>
⊔8 <b>S MD</b> 0307	Dist 141.230 Code Mult dist#2	V.obs (Null)	H.obs	<null></null>
_3S MD 0307	Dist 141.240 Code Mult dist#1	V.obs (Null)	4.009	<nu11></nu11>
3 MD 0307	Dist 141.240 Code Mult dist#2	V.obs (Null)	H.obs	<null></null>
TE TS	14-Dec-S9 13:52			
"S MD 0307	Dist 141.230 Code Mult dist#1	V.obs (Null)	H.obs	<nu11></nu11>
JBS MD 0307	Dist 141.230 Code Mult dist#2	V.obs <null></null>	H.obs	<nu11></nu11>
)BS MD 0307	Dist 141.230 Code Mult dist#1	V.obs (Null)	H.obs	

i

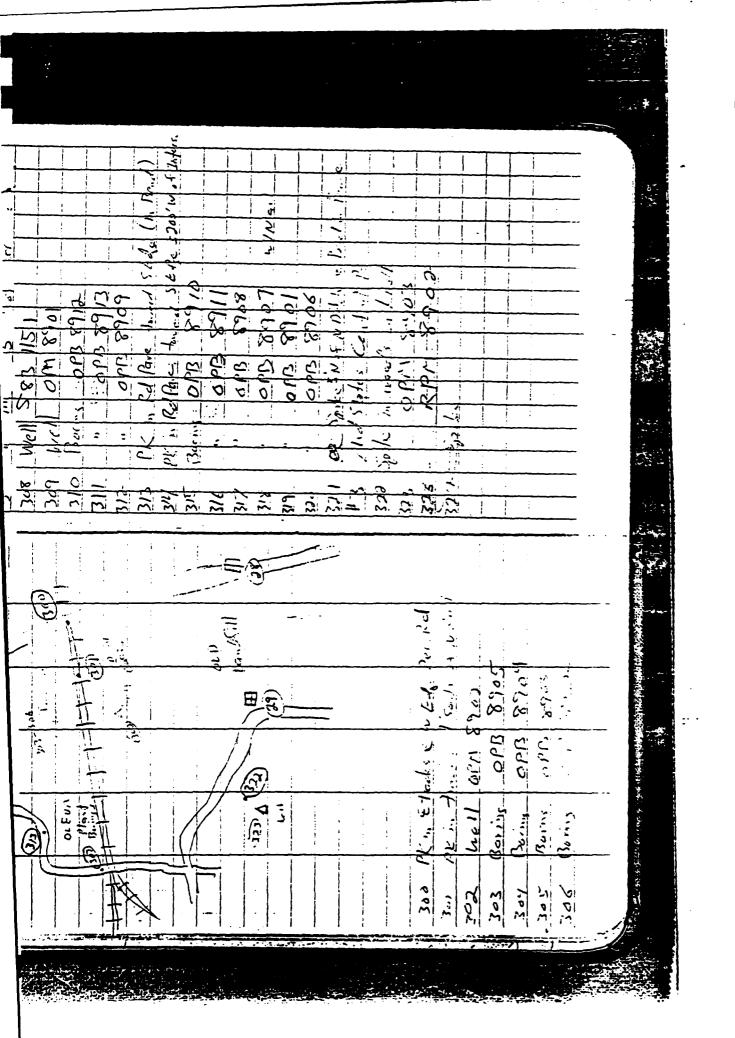
JORDAN. PRN	Dec 19,	1989 7	7:58a Page 9
3 MD 0307	Dist 141.230 Code Mult dist#2	V.obs <null></null>	H.obs <null></null>
' MD 0307	Dist 141.230 Code Mult dist#1	V.obs <null></null>	H.obs <null></null>
MD 9307	Dist 141.230 Code Mult dist#2	V.obs <null></null>	H.obs <null></null>
TP 0311	Nrth (Null) Code OPB8913	East <null></null>	Elv <null></null>
TP 0307-0301	Azmth 82-46'03"	H.obs <null></null>	
i F1 0307-0301	Dist <null> Code PK</null>	V.obs 90-30'05"	H.obs <null></null>
. TP 0312	Nrth <null> Code OPB8913</null>	East <null></null>	EIv <null></null>

nd of Report *

## APPENDIX B

HORIZONTAL AND VERTICAL SURVEY FIELD NOTES

E ت 4 ì i n) (1 بر ندر



6 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
720000	
2000 200 200 200 200 200 200 200 200 20	
July Wald	
12 11 17 12 月 17 日 17 日 17 日 17 日 17 日 17 日 17 日 17	· .a
1,20,00 1,20,00 1,20,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,60,00 1,6	
1.33.05 7.83.23 7.83.23 6.6.17.33 6.6.16.33 7.34.33 7.34.33 6.6.16.33 7.34.33 6.6.16.33 7.34.33 6.6.16.33 7.34.33 6.6.16.33 7.34.33 7.34.33 6.6.16.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33 7.34.33	
12. 10, 10, 25 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25, 11. 25,	A 10 mg
	_
25. 25. 25. 25. 25. 25. 25. 25. 25. 25.	
1	
11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5	
0,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)  1,1007 (1,105)	
0,107, 195, 195, 195, 195, 195, 195, 195, 195	
21. 107. 11. 108. 15. 108. 108. 108. 108. 108. 108. 108. 108	

	707.52		2917 926.285		3.8 1 932.8	0,0	1/82 933.3:4	دي ا	5 3 8 93.8	6/17 912.73	2 2	900	27. 925.75		78	553 925.63	90	0 1/1 126.21	26.8
· — [4]	7-1 9/8.2	6.7 923	0	Sint Loop	736.54	0/ 8/26 0/ 5:			26 Th				\$ 7.75 / C				20 932.43		
-	2	11 31 31		5.	3 5.106	7 1018 8107	261.2, 21,0	11 12 210	\$1 <u></u>	PO 08 890	10 co	1112 1100	1068 100 113				76 32		
67868		82788	9/1.628	8977.6	903.07	705.88	98.206	207.52		85709	10/168	883.58		٠,			701.52		
b/1 668 Jao7		890.80 13.16	11.3.1	77.7%	, ,	1,9/1	9/0.52	3.00		08706	00	01/1/188	.	12,56	33	902.75 1.57	100	2.736	
3015	1.38	9.02	7	13.7%	•	MAIN LOPP	1,8,17		J007 3015	SC'C	19.0	1.36	7	1,068 5000	-1	112.99 9	-	1981 4.4	
7 0 7	583 1151	1010 Blos	11.0 m	1 01-	ci dt	160	1.7 601	7641312		4 P 100/3		10.53 JAC 2000	_	1	17015	27 d L	177.13 (h.)	5.4. 4.0	

47				
		~ ~	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1.
334		1 1 1	N 19 19 19 5	
0	1/2	1   2	2 2 2 2 N	
'		7 / 02	00 5 5 5 00	
<u> </u>		<u> </u>	15 15 15 15 15 15 15 15 15 15 15 15 15 1	
			25 22 25 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
		, ,		
<b>c</b> -\`				
•\ <u>[34]</u>	\$**		1 12 0 12 2 1	
•				
		.~	77.40 0.52	
		3 3	الماد ما	
		'n	50 151 Cg	
			- 6 1 N N N S	
		×	12 12 12 12 12 12 12 12 12 12 12 12 12 1	
	• :	(6	2 2 2 2 2 2 2	
		0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	i
				_
926.28	729 98 729 75 928.2. 914.78 916.46	91242		
0000				_
0.80 9 121 8			0-1-2	_
5 0.80 5 11.4 5 13.71	9.52 1.75 11.26 5.93 14.03 8.88	11.275 11.275 11.8°1 13.0°15 51.0°16	104	_
5 0.80 5 11.4 5 13.71	9.52 1.75 11.26 5.93 14.03 8.88	11.275 11.275 11.8°1 13.0°15 51.0°16	100 00 00 00 00 00 00 00 00 00 00 00 00	_
5 0.80 5 114 5 137	9.52 1.75 11.26 936.245 5.93 924.34 8.10 924.34 8.10	926.13 4187 926.13 4187 52.195 [21050RE	100 00 00 00 00 00 00 00 00 00 00 00 00	_
932.95 948.035 1.11 939.505 13.77	9.26.245 9.25 9.26.245 5.93 9.22.88 14.025 924.34 8.10	926.13 4187 926.13 4187 52.195 [21050RE	100 00 00 00 00 00 00 00 00 00 00 00 00	— :
11 932.425 11 948.035 1.11 11 948.035 1.11	9.26.245 9.25 9.26.245 5.93 9.22.88 14.025 924.34 8.10	926.13 4187 926.13 4187 52.195 [21050RE	1 89 8902	<del>-</del>
3.41 952.435 3.41 948.035 1.41 9.11 948.035 1.11	9.52 1.75 0.66 922.88 14.025 4.56 924.34 8.10	7.2.1 23.78 11.775 7.2.1 926.13 418"1 127.93 23.195 23.15 127.93 23.195 21.05.19E	NP1-189 NP1-189 RPM 5902	<del>-</del> -
2.11 912.425 2.11 940.005 0.811 9.11 948.035 11.1	9.53 9.75 0.66 922.88 14.025 1,56 924.34 8.10	7.2.1 23.78 11.775 7.2.1 926.13 418"1 127.93 23.195 23.15 127.93 23.195 21.05.19E	NP1-189 NP1-189 RPM 5902	
2.11 912.425 2.11 948.035 1.11 9.11 948.035 1.11	9.53 9.75 0.66 922.88 14.025 1,56 924.34 8.10	7.2.1 23.78 11.775 7.2.1 926.13 418"1 127.93 23.195 23.15 127.93 23.195 21.05.19E	NP1-189 NP1-189 RPM 5902	
11.1. 400 06 0.30 21.1. 948 035 11.1 11.1. 948 035 13.1	915 811 PVC Gud 7.57 936.245 5.95 0,66 922.88 14.025 1,56 924.34 8.10	7.2.1 23.78 11.775 7.2.1 926.13 418"1 127.93 23.195 23.15 127.93 23.195 21.05.19E	NP1-189 NP1-189 RPM 5902	_
211 20 20 00 00 00 00 00 00 00 00 00 00 00	8935 511 PWC Gd. 936.245 5.93 6 0.66 922.88 14.025 7 0.66 924.34 8.10 511 Corrs	20 20 20 20 20 20 20 20 20 20 20 20 20 2	NP1-189 NP1-189 RPM 5902	
11.1. 400 06 0.30 21.1. 948 035 11.1 11.1. 948 035 13.1	0P1 89 5 51   9.53 PVC   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1.75   1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	NP1-189 NP1-189 RPM 5902	
2.11 912.425 2.11 940.005 0.811 9.11 948.035 11.1	6.14 2.57 936.245 5.93 6.14 2.57 936.245 5.93 6.16 922.88 14.025 6.156 924.34 8.10	20 20 20 20 20 20 20 20 20 20 20 20 20 2	NP1-189 NP1-189 RPM 5902	

1		137.	مام	. 0								اتحان	NO MEN 89.	પ ૧૧	_	7
١.	ATA		85	FI	FS	17.10			#		#	#	世	1	<u> </u>	
	Mercury		-	885.82		98.136	!					9	SIII	+	:	
·	1632					878.23	<u> </u>			メ.		11	- !!			·.
	TP 33		1.		:	28.1.82	-		<del>-</del> -		0	1		7	];	<u>-= .</u>
; 	1631	-	2.75	821.55		77.8.74			<u>.</u>		-	Ren by	<u>_</u>	7	200	- 3
[]	EII RAISON PVC	28			:	9/ 1/2		-		:	-//-	1		_		•
·		550	-	1		873.0		:			<u> </u>		+	+	•	-
-	-	Cecis	4.52	947	:	874.45	:			:				_		·
•	1635		1		<u>.</u>	14/18					7.5	-	1	-		
	7636		Ţ	888.97		\$80,55	:		*	<b>25</b>	<b>-</b>	, je	7	+		•
	Well RPM 8/01 PVC	- i			0.32	59880						:	_	-		•
-		1			275	2988	-							_	·	7.
-		1375	ご言い	82.78	0.11	588.83	•					- ;		-		<i>:</i> :
	76 77		1.2.1		6.29	66788	1/10/1		1.0 J	800	25.66	255		873	178	
	-1638		1.23	885.08	8.47	580.85	VC/ 5 /12					ندز		879.	77	3
	1/239	12 0 E	3 CH	1, 43 5 880.74	3.3.5	876.73		1	19.0	<u>i.c</u>			,			
# <b>E</b>	7	_	5.50	20788	5.17	875.57		1	· ·			75.6				
	100	7		-	- 1	790'			<u>~</u>	,-,·		12/2				···
	1+				1.37	111/01/11			انو <u>ہ</u> ۔ ا		ì		_		-	-
	110 11)	) } }	7/1 -21	15/188	7.03	379.05			ر راي	٠ ١ ١	520,0	25			::	•
	V -	Y F. 7.1	100	1,01 5 878.89	6.6.5	877.88	-\	• 1					Ñ	1		<u>بر ب</u>
•			3.45	873.09	9.15	369.74									•	
<del>در</del> ت!	10	96.1				862.77				<del></del>	,			   <del>-</del>		
:::	WING TIN II	8 - ) S   0			(211	861.5						-	<u>!</u>		İ	. <i>.</i>
<del></del>	:			67.928	10.05	863.03			<u> </u>	<u>-</u> .	 <del>-</del>		:		Ī	
	-	:					eur a ra									
				_		_	en ma									7
2				The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	Made anthread ac-	A STATE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PAR										١

1.2.1/15 2112 84) 818 8  2.1/15 2112 84) 818 8  2.1/15 2112 84) 818 8  2.1/15 2112 84) 818 8  2.1/15 22 64 2 84) 818 8  2.1/15 22 64 2 85 84 2 88  2.1/15 23 12 86 81 145 81  2.1/15 23 12 85 81 145 81  2.1/15 23 12 85 85 81 145 81  2.1/15 23 12 85 85 81 145 81  2.1/15 23 12 81 81 81 81  2.1/15 23 12 81 81 81 81  2.1/15 23 12 81 81 81 81  2.1/15 23 12 81 81 81 81  2.1/15 23 12 81 81 81 81  2.1/15 23 12 81 81 81 81  2.1/15 23 12 81 81 81 81  2.1/15 23 12 81 81 81 81  2.1/15 23 12 81 81 81 81  2.1/15 23 12 81 81 81 81  2.1/15 23 12 81 81 81 81  2.1/15 23 12 81 81 81 81  2.1/15 23 12 81 81 81 81  2.1/15 23 12 81 81 81 81  2.1/15 23 12 81 81 81 81  2.1/15 23 12 81 81 81 81  2.1/15 23 12 81 81 81 81  2.1/15 23 12 81 81 81 81  2.1/15 23 12 81 81 81 81  2.1/15 23 12 81 81 81 81  2.1/15 23 12 81 81 81 81  2.1/15 23 12 81 81 81 81 81  2.1/15 23 12 81 81 81 81  2.1/15 23 12 81 81 81 81  2.1/15 23 12 81 81 81  2.1/15 23 12 81 81 81  2.1/15 23 12 81 81 81  2.1/15 23 12 81 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81 81  2.1/15 23 12 81  2.1/15 23 12 81  2.1/15 23 12 81  2.1/15 23 12 81  2.1/15 23 12 81  2.1/15 23 12 81  2.1/15 23 12 81  2.1/15 23 12 81  2.1/15 23 12 81  2.1/15 23 12 81  2.1/15 23 12 81  2.1/15 23 12 81  2.1/15 23 12 81  2.1/15 23 12 81  2.1/15 23 12 81  2.1/15 23 12 81  2.1/15 23 12 81  2.1/15 23 12 81  2.1/15 23 12 81  2.1/15 23 12 81  2.1/15 23 12 81  2.1/15 23 12 81  2.1/15 23 12	
12 20 20 20 20 20 20 20 20 20 20 20 20 20	
23 25 25 25 25 25 25 25 25 25 25 25 25 25	
N 6 2 1 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 1 1	
N 6 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
3023	
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
ルースク マッドスグラング・マー	
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
	^
29-21 10-3-3 10-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	
ONB STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL STOIL ST	
S CHM 892 OAB 870 OAB 870 PPB 870 PPB 870	Apple Date of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Con
	3
	100
ai The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of th	
Power House	
4 7 4 1 12	
	VA
2 4 2 11 3	
3 - 4 - 5	
1 S 1 1 3 - 1 1 3 - 1 1 1 3 1 1 1 1 1 1 1 1	1
	TO THE

														:									-	-		
										:											3			88		
1761	34728	875.06	1,1,268	51.618	9/1/18	1674.97	872.4	1		1	16.418	1	1	-	-	875.0	873.5	7 876.8		5.64 876.13	1 877.26		7 875.06	1841/18	·	
FS		5.5	75.5	÷	9.1.8	12.67	157	3017	2.85	2.10	2.33	4.85	2.86	5.05	4 2.77	5.66	77.7	3.8				<del>`</del>		<u> </u>	- :: 	0,015
7.7	880 46	86088	881.52	1.6.918				877.24							880.64			1.1	881.77	881.27		880.43	880.38		,	5. R i. i.
RS	3.98	-	Roh	1.19	- 3	``	,	4.79					200		11.617				407	5.77	がし	62 2	ないと	<u>.</u>	-	077
- N - 27	G.m.n.		4.97		W. FTM 890 CAN		7	8/2 0/7	190	Willell GAM 9362			PA HOUNT		7-1-0	OHB 8403	0 HR 8001	OAB 8902	TP 49 8.	7050	Tor	TP ch(0.8)	10.01			

## APPENDIX C

SURVEY TRAVERSE COPUTATIONS AND ADJUSTMENTS

							_	
					•			
				-			•	
A 3						504904.8300	2070001.3100	
28						501744.4300	2076165.9900	•
.A - 29 -~	-					501768.4300	2074666.2800	
TART								
28	NW	22	74	27.0	2613.886	501744.4300	2076165.9900	
<b>3</b> 00	1464		J.	27.0	2510.000	503924.3004	2074714.5324	
RT								
.R	. NW	33	39	27.0	2618.603	501744.4300	2076165.9900	• • • • • • •
. 300	SW	82	58	33.0	1296.195	503924.0648	2074714.6892	
301	SW		 46	3.0	2784.531	. 503765.5558	2073428.2225	
307						503414.9939	2070665.8468	
к 313	NE	17	19		748.332	504129.3986	2070888.6174	
314	NE	0	E,	40.9	<b>640.637</b>	504770.0344	2070889.2598	
.R 3 <u>21</u>	NW	38	26	42.0	713.243	504814.2603	2070177.9892	
	NW	62	<b>5</b> 2	17.0	198.199	504904.6369	2070001.5950	
÷ 3	NW	55	53	13.4	0.344	504904.8300	2070001.3100	
_	u DATI	<b>0</b> -			•	204204.8200	2070001.3100	
-RECISIO		_			41			
IPASS I	RULE A	פטעמ	STMF	ENT		501744.4300	2076165.9900	
300	NW	33	39	30.0	2618.696	503924.1210	2074714.6063	
J 301	SW	82	58	38.2	1296.232		2073428.0986	
•	SW	82	48	8.2	2784.611			
¥J	NE	17	19	0.4	748.340	503415.1376		- ·-·
313	NE	0	٤	33.5	640.651	504129.5584	2070888.3815	
314	NW	86	26	38.0	713.266	504770.2079	2070889.6036	· · · · · · · · · · · · · · · · · · ·
321 J	NW .	<b>-6</b> 2.	. <b>5</b> 2.	16.1_	198.207	504814.4491	2070177.7105	
3							2070001.3100	
e page		<b></b> .				en de la composition de la composition de la composition de la composition de la composition de la composition		
∍TART 300	_	_				503924.1210	2074714.6063	
	·SW	82-	58.	382-	1296.232	503765.6398	2073428.0986	
302	SW	72	1	18.2	393 <b>.</b> 97 <b>5</b>		2073053.3600	in the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of
5	NW	72	25	€.3	682.383			

نورين ( )	NW	75 55 1.8	828.217	ವಿಭವಿಶಿಠಭಾವಿತಿ	20,25,5.46,3	
305				503967.1653	2072624.7737	
35 306	NW	73 6 51.9	1022.272	504062.5706	2072449.9000	
308	SE	16 29 26.8	82.870	503686.1786	2073451.6221	- v - v - v-
iN 307	SW	82 46 8.2	2784.611	503415.1376	2070665.6347	
	SE	42 36 21.8	201.036	_		<del>-</del> ··
309	NE	84 0 13.2	246.778	503267.1700	2070801.7268	·
310 35	SW	63 1 8.1	141.200	503440.9173	2070911.0624	
- 311	NE	7 52 8.2	170.340	503351.0757	2070539.8034	
312 .IN .	ΝE	17 19 0.4	748.340	503583.9736	2070 <b>688.9555</b>	
313			-	504129.5584	2070888.3815	
355	SE	76 37 47.7	<b>266.</b> 020	504068.0439	2071147.1915	-
ः े 315	SW	12 50 0.4	266.020	503870.1836	2070829.2938	
35  316	SW	7_35_0.4	400.790_	503732.2738	2070835.4893	
•	SE	1 11 59.6	489.360	503640.3057		
317				303640.3037	2070898.6289	
5 ART 307			-	503415.1376	29706 <b>65.</b> 6347	•
_N 313	NE	17 19 0.4	748.340	504129.5584	2070888.3815	
319	SW	33 8 0.4	643.870	503590.3818	2070536.4480	
aT	SE	15 33 59.6	487.660	503659.7860	2071019.2488	
318 K	NE	76 20 0.4	136.420			
320				503692.0181	2071151.8063	
ART 28				501744.4300	2076165.9900	
11129 29	NW	89 4 59.4	1499.902	501768.4300	2074666.2800	
R	NW	67 59 2.4	2728.958			
322	SW	24 23 57.6	142.300	502791.4220	2072136.3195	
. ~ 313 EA			. <del>-</del> .	502661.8311	2072077.5362	<u></u>
9				496506.0900	2073031.9900	
10				496412.0600	2076909.4500	
ART				405440 0500	2075000 4500	
IN 10	: NW	88 36 39.0	3878.600		2076909.4500 .	
9	NE	1 53 44.0_		496506.0900	2073031.9900	
324 1	SĒ	19 21 24.0	1551.239	497387.1126	2073061.1480	
325		60 43 6.1	722.862	495042.4426	2073546.1778	
-S 326				494688.8885	2072915.6788	
327	SE	84 32 27.0	722.025	494973.7517	2074264.9279	
			-			

<b>∟</b> M						
329				498494.6500	2063570.8600	
					4.000, 9.000,	
330				498467.5100	2065207.1500	
<b>-</b> _			•	750,0710100	2065207.1500	
•						
	·	· -		498467.5100	0055007 4500	**********
TN.	NW	89 2 59.2	1606 515	420407.0100	2065207.1500	
329	1494	07 2 33.2	1636.515	100101 250		
223	NH 1	07 00 50 0		498494.6500	2063570.8600	·
204	NW	27 20 52.2	849.818			
331				499249.4874	2063180.4612	
. <b>E</b>	NE	0 43 39.8	1038.578			
_ 332				500287.9817	2063193.6521	
R	NW	0 1 9.2	1526.405			
333				500775.8923	2063179.9490	
•	SW	59 14 15.8	467.420			
335				500536.8177	2062778.2965	
58	SW	82 36 45.8	261.890		2,02,,0.2,00	
336				500742.2197	2062920.2328	
	NW	61 17 49.2	329.140	0007 1212137	7007370° 7070	
337		0- 0, ,512		500933.9682	2052001 2524	
۶,	SW	85 2 5.8	496.340	500933.9682	2062891.2534	
338	311	03 2 3.6	430.340	EAA700 00E4		
330				500732.9350	2062685.4715	
STIRT	•				• • •	
- ,,,						
331				499249.4874	2063180.4612	
`	NE	0 43 39.8	1038.578			
_ 332				500287.9817	2063193.6521	
7	SM	86 30 4.S	381.459			
334			. <u> </u>	500264.7031	2062812.9041	•
J <b>3</b>	SW	15 45 54.3	234.170		_	
229				500039.3418	2062749.2809	
	SW	45 28 19.8	95.990			
				500197.3895	2062744,4718	
SE	NE	66 7 14.9	112.160	4477776	2002/44.4/10	
341			******	500310.1065	2062915.4633	
					240231014000	
LIST						
3				504904.8300	2070001.3100	
9				496506.0900	2073031.9900	
10				496412.0600	2076909.4500	
				776712.0600	2076303.4500	
28				E01711 1000	0070107 0001	
29			-	501744.4300	2076165.9900	
300			•	501768.4300	2074666.2800	
300				503924.1210	2074714.6063	
564				<b>-</b>		
301				503765.6398	2073428.0986	
302				503644.0368	2073053.3600	
303				503971.9123	2072777.1140	
304				503880.3653	2072575.4673	
305				503967.1653	2072624.7737	
306				504062.5706	2072449.9000	
_ <u>-</u>						
307				503415.1376	2070665.6347	
308				503686.1786	2073451.6221	
- 309 -				- 503267.1700	2070801.7268	
<b>334</b> • · ·				- 30378/11/00	· TALADAT • \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
240				E00440 0470	0070011 0101	
				503440.9173	2070911.0624	
	-			503351.0757		
				503583.8736	2070688.9555	
242				<b>**</b> * * * * * * * * * * * * * * * * * *		
313				504129.5584	2070888.3815	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
3:4				504770.2079	2070283.6036	
				•	• · · · · · · · · · · · · · · · · · · ·	

·

<b>31</b> 5		503732.2738	20/0825.4893
317		503640.3057	2070898,6289
318		503659.7860	2071019.2488
319	•	503590.3818	2070536.4480
320		503692.0181	2071151.8063
321		504814.4491	2070177.7105
·· 322		502791.4220	2072136,3195
323		502661.8311	2072077.5362
324		497387.1126	2073061,1480
		437007.1120	207300111400
325		495042.4426	2073546,1778
326		494688.8885	2072915.6788
. 327		494973.7517	2074264.9279
. 027		4343/3./31/	2074264.32/3
328		494717.4583	2074232.6982
	• •	498494.6500	2063570.8600
330		498467.5100	2065207.1500
A 224		100010 1071	
331	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	499249.4874	2063180.4612
· 332		500287.9817	2063193.6521
÷ 333		500775.8923	2063179.9490
334		500264.7031	2062812,9041
335		500536.8177	2062778.2965
336		500742.2197	2062920.2328
337		500933.9682	2062891.2534
338		500732.9350	2082685.4715
33 <del>9</del>		500039.3418	2062749.2809
340		500197.3895	2062744.4718
341		500310.1065	2062915.4633

ORDINATES STORED IN FILE JORDANS

DATH DISK 44

## APPENDIX D

COMPUTER INPUT - OUTPUT FILES UTM CONVERSION FILES

R2PC		•		1000	2.20.		
		Jan	4,	1990	3:30p	Page	
)10+81+	OPB-89-01			2070536448	503590382	4803	
U020#81#	CPB-89-02			2072449900	504062571	4803	
0C^230+81+	OP8-89-03			2072624774	503967165	4803	
140#81#	OPB-89-04			2072575467	503880365	4803	
_050#8!#	OP8-89-05			2072777114	503371312	4803	
000060+81+	QPB-89-06			2071151806	503692018	4803	
@ )70±81±	OP8-89-07			2071019249	503659786	4803	
)80#81#	OP8-99-08			2070898629	503640306	4803	
vv0090±81#	OP8-89-09			2070688955	503583874	4803	
0' 00±81±	OPB-89-10			2070829294	503870184	4803	
.10#81#	098-89-11			2070835489	503732274	4803	
0120±81±	OPB-89-12			2070911062	503440917	4803	
0001301811	OP9-89-13			2070539803	503351076	4803	
40#81#	OPM-89-01			2070801727	503267170	4803	
-150+81+	OPM-89-02			2073053360	503644037	4803	
000160#81#	OPM-89-03			2072077536	502661831	4803	
4 .70±81±	NPM-89-01			2073061148	497387113	4803	
.80#91#	RPM-89-01			2074232598	494717458	4803	
+18+021000	RPM-89-02			2072915679	494688885	4803	
or 100±81±	OAB-89-01			2062891253	500933968	4803	
110#81#	QA8-89-02			2062920233	500742220	4803	
U220#81#	DAB-89-03			2062685472	500732935	4803	
000030#81#	10-98-NAC			2062778296	500536818	4803	
4444	OAM-89-02			2062915463	500310106	4803	
	FT8-89-01			2062744472	500197390	4803	
90925	FTM-89-01			2062749291	500039342	4803	

Jan 2, 1990 Page 3:300 1 010+80+000 GPB-B9-01 43225311020N089440483570N 4. 3020+80+000 OPB-89-02 43225771317N089433890411W 0000304804000 DP3-89-03 43225676517N089433654027N 040+80+000 QPB-89-04 43225590942N089433721181W .050+80+000 OPB-89-05 43225680712N089433447714W 000060+80+000 DPB-89-06 43225409466N089435649852H C 370+80+000 OPB-89-07 43225378049N089435829492W - 380+80+000 QPB-89-08 43225359190N089435992913W UUU090+80+000 GPB-89-09 43225304112N089440277084W 0^100#80#000 QPB-89-10 43225586465N089440085807W 110+80+000 GPB-89-11 43225450228N089440078015W 1.J120+80+000 0PB-89-12 43225162209N089435976940W 000120#80#000 GPB-89-13 43225074641N089440480058W 140+80+000 GPH-83-0; 43224990941N089440125745W 150+80+000 OPM-89-02 43225355965N089433075097W 000160#80#000 0PH-89-03 43224388972N089434400820W 170+80+000 NPM-89-01 43215175820N089433092467W 180+80+000 RPM-89-01 43212535038N089431518573W 000190#86#000 RPM-39-02 43212511131N089433301405W |0^^200+80+000 GAB-89-01 43222709937NC89454846402W 210+80+000 GAB-89-02 43222520462N089454807900W 0-9220+60+000 0A8-89-03 43222511947N0894551257934 000230#80#000 DAM-89-01 43222317978N089455000865W 240#80#000 GAN-89-02 43222093665N089454816019W .250+80+000 FTB-89-01 4322198281130894550479628 000260#30#000 FTM-89-01 43221526689N089455042056W

ECJOR26P



Jan 2, 1990

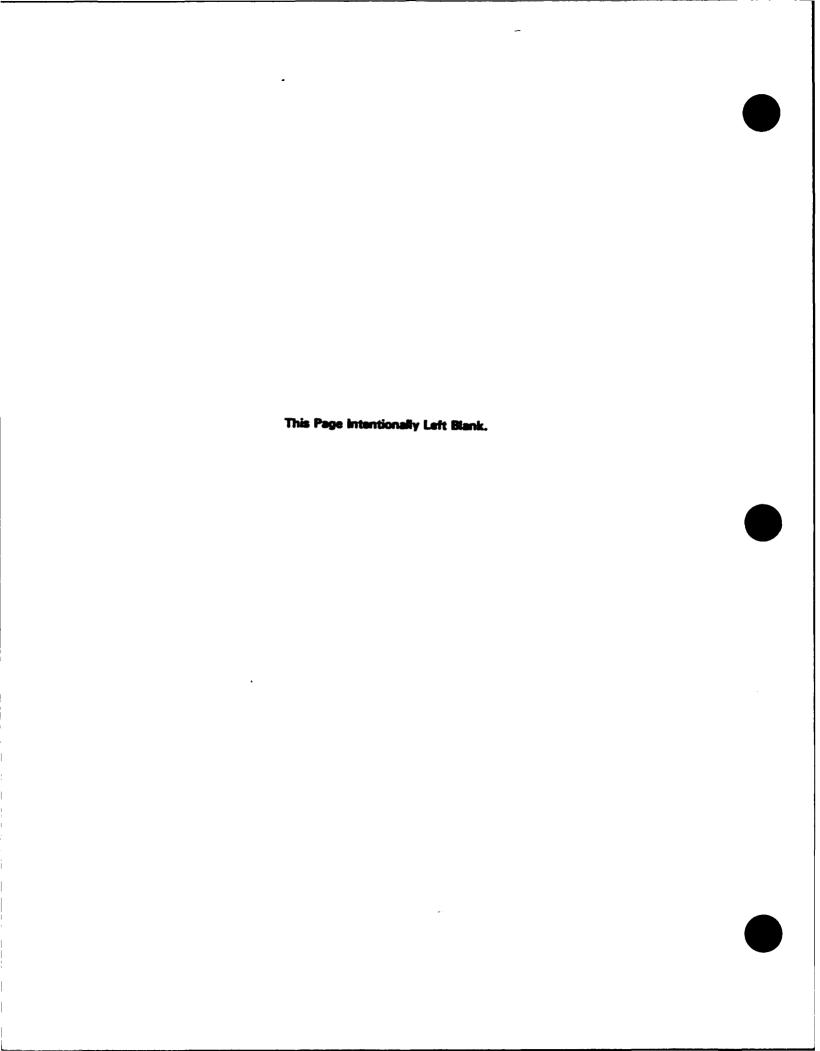
3:31p Page 1

## FINAL COORDINATE LISTING FOR 83800

#### NATIONAL GEODETIC SURVEY SP TO UTHS PROGRAM 1927 DATUM

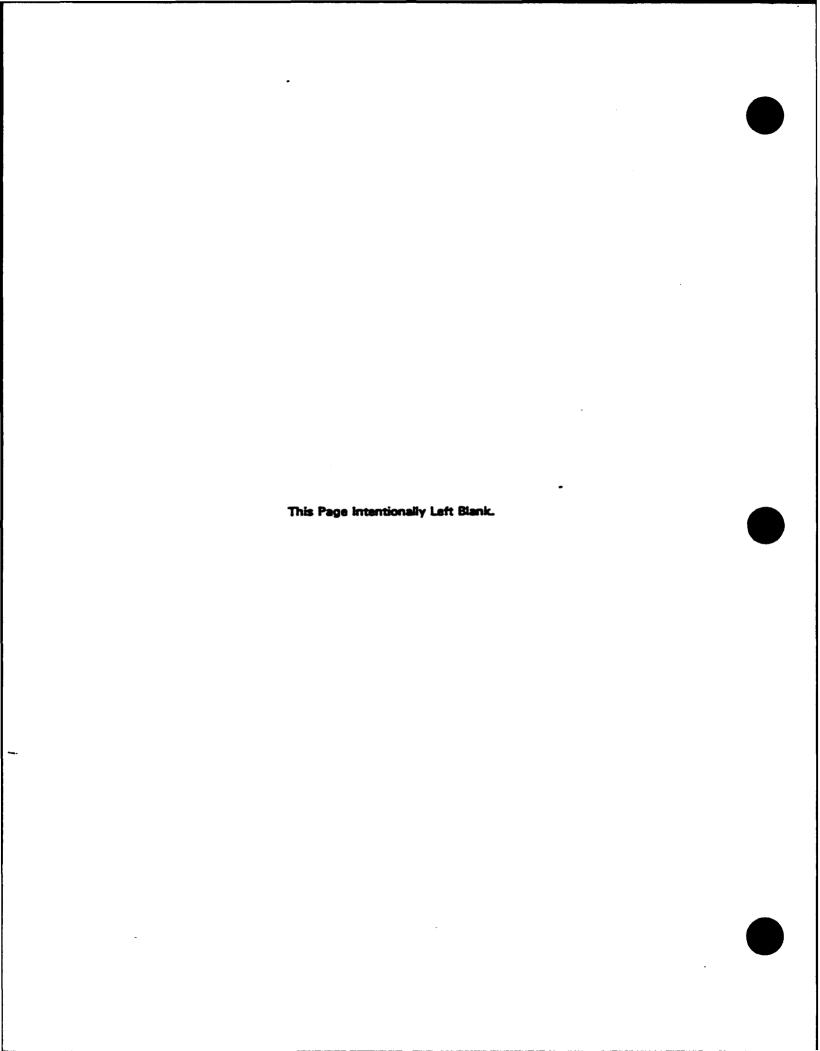
VERSION 1.0

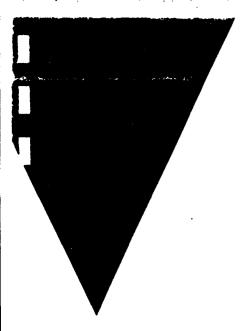
ATION NAME	LATITUDE LONGITUDE		NORTHING(Y)	EASTING(X)	CONE	ONE CONVERGENCE SCALE ELEV				
	(NORTH)	(WEST)	METER	METER		0 #	S	FACTOR	(#)	GEOID HT(H)
:-89-01	43 22 53.11020	089 44 4.93570	4806589.292	278473.529	16	-1 52	44.59	1.00020369		
. <b>±-89-</b> 02	43 22 57.71317	089 43 38.90411	4806712.177	279061.709	16	-1 52	27.01	1.00020048		
OPB-89-03	43 22 56.76517	089 43 36.54027	4806521.190	279113.944	16	-1 52	25.35	1.00020020		
:-89-1)4	43 22 55.90942	089 43 37.21181	4806655.284	279097.969	16	-1 52	25.79	1.00020029		
J-89-95	43 22 56.80712	989 43 34.47714	4805580.366	279160.411	16	-1 52	23.94	1.00019995		
upg-99-05	43 22 54.09466	389 43 58.49852	4806613.511	279662.135	16	-1 52	38.99	1.00020266		
· 1-99)7	43 00 E3.78049	389 43 53,29492	4306605.:44	278621.093	15	-1 52	40.21	1.00020288		
:-39-08	48 22 53.59190	989 48 59,92918	±306600.53:	278584.428	16	-1 52	41.33	1.00020308		
J <b>29-39-</b> 09	48 22 58.04113	099 44 1.77084	4806535.537	278519.924	:5	-1 52	43.25	1.00020343		
(pe-89-10	43 22 55.86463	089 44 0.35807	4806671.332	278565.824	16	-1 52	42.05	1.00020318		
	43 02 54.50208	089 44 0.78015	4806629.245	278566.199	16	-1 52	41.95	1.00020318		
	40 00 51.62099	089 43 59,76940	4806539.644	278586.030	16	-1 52	41.:5	1.00020307		
CPB-S3	43 22 50.7454	320058 44 4.30058	4806515.342	278471.927	15	-! 52	44.59	1.00020363		
1-89-0!	43 22 49.90941	99 44 1.25745	1806487, 305	278550.811	16	-1 52	42.11	1.00020326		
1-39-02	43 22 53.55965	089 43 30.75097	4806573.038	279240.984	16	-1 52	21.26	1.00019951		
UPM-89-03	43 22 43.88970	089 43 44.00820	4806233.476	278932.393	16	-1 52	30.04	1.00020118		
•	43 21 51.75820	089 43 30.92467	4804671.563	279174.749	16	-1 52	19.25	1.00019987		
1-89-01	43 21 25.35088	089 43 15.18573	4803845.317	279502.435	16	-1 52	7.51	1.00019809		
r <b>n-89</b> -92	43 21 25.11181	089 43 33.01405	4803851.048	279100.347	16	-1 52	19.76	1.00020027		
UTB-83-1);	43 22 27.09937	089 45 48.46402	4805853.753	276115.000	16	-1 53	55.04	1.00021661		
1-89-02	43 22 25.20462	089 45 48.07900	4805805.012	276121.727	16	-1 53	54.71	1.00021657		
.d-89-03	43 22 25.11947	089 45 51.25793	4805804.757	276050.096	16	-1 53	56.89	1.00021697		
DAM-39-01	43 22 23.17978	089 45 50.00865	4805743.984	275076.228	15	-1 53	55.96	1.00021682		
1-89-02		089 45 48.16019	4805673.403	276115.536	16	-1 53	54.61	1.00021661		
1-99-01		089 45 50.47962	4805649.935	276062.200	16	-1 53	56.17	1.00021690		
r TM-69-01	43 22 18.26689	089 45 50.42056	4805592.726	276061.933	16	-! 53	56.09	1.00021690		



1991 BORING, MONITORING WELL, AND PIEZOMETER SURVEY DATA

W0039213F.APP 6853-12





March 12, 1992

Jeffery S. Pickett Project Manager ABB Environmental Services, Inc. 261 Commercial Street P.O. Box 7050 Portland, ME 04112

Dear Mr. Pickett:

Enclosed please find final report for the surveying services Task Order Number 004. The base map we have prepared for the BAAP area will be transmitted under seperate cover. Please call if you have any questions.

Very truly yours,

Vierbicher Associates, Inc.

John L. Brey, Ris Vice President

▼ ENGINEERING ▼ ARCHITECTURE ▼ SURVEYING ▼ COMMUNITY DEVELOPMENT

▼ 400 VIKING DRIVE P.O. BOX 379 REEDSBURG, WI 53959 (608) 524-6468 Fax (608) 524-8218

RAYOVAC DRIVE TE 2 DISON, WI 53711 68) 274-3898 Fix (608) 274-5580

## REPORT FOR PROFESSIONAL SURVEYNG SERVICES HORIZONATL AND VERTICAL LOCATION SURVEY

### BADGER ARMY AMMUNITION PLANT

Task Order Memorandum 004

Prepared for:

ABB Environmental Services, Inc. 261 Commercial Street P.O. Box 7050 Portland, ME 04112

Prepared by:

Vierbicher Associates, Inc. 400 Viking Drive P.O. Box 379 Reedsburg, WI 53959

March 6, 1992

## FINAL REPORT

# SURVEYING SERVICES TASK ORDER MEMORANDUM 004 MONITORING WELL AND SOIL BORING LOCATIONS BADGER ARMY AMMUNITION PLANT SAUK COUNTY WISCONSIN ABB ENVIORMENTAL SERVICES, INC.

The services required for this project includes the horizontal and vertical locations for various monitoring wells and soil borings at and adjacent to Badger Army Ammunition Plant. The horizontal positions have been determined relative to the Universal Transverse Mercator (UTM) system per the NAD 27. The vertical locations are based on Mean Sea Level (MSL) from the 1929 General Adjustment.

The horizontal and vertical control was taken from existing control monuments and traverse control currently existing within the Army Ammunition Plant. This control information has been provided by the Army Ammunition Plant.

#### HORIZONTAL FIELD SURVEY

The horizontal location has been taken from the existing control or has been extended from said control into the survey areas. The equipment that was utilized for the horizontal control was a Lietz SET-4 electronic total station in combination with a Lietz SDR-22 electronic data collector. The grid factor for distances was keyed into the collector at a value of 0.999891900 this provides for an automatic reduction to grid distances required for geographic computations. The output produced by the data collector is based on Wisconsin State Plane Coordinates. Multiple readings of horizontal angles and distances were taken to comply with required accuracies. A copy of the field notes generated by the data collector is attached as Appendix A. This data was keyed into and adjusted through a surveying computation software program.

#### VERTICAL FIELD SURVEY

The vertical location has also been taken from the existing control or has been extended from said control into the survey areas. The equipment that was used for the vertical survey was a Lietz B-1 automatic level. A copy of the field notes for the vertical survey is attached as Appendix B. The report for the elevations determined of the wells and borings is attached as Appendix C.

#### OFFICE COMPUTATIONS - REPORT GENERATION

The state plane coordinates determined by the data collector report was input into batch files named BAAPBORE.PAC and BAAPWELL.PAC. The files were then run through a program provided by the Bureau of Land Management named BLMSPC27. This program converts State Plane Coordinates to geographic positions (latitudes and longitude). The output from these runs were placed in batch files named BAAPBORE.LAT and BAAPBORE.LAT. Finally these geographic position files were then run through a program provided by the Bureau of Land Management named BLMUTM27. This converts the geographic position to the Universal Transverse Mercator System coordinates. The output files were named BAAPBORE.UTM and BAAPWELL.UTM. The printout from this file list the UTM's for the wells and borings. A copy of the files generated are attached as Appendix D.

#### SURVEYOR'S CERTIFICATE

I, John L. Brey, Registered Land Surveyor, hereby certify that the above described location survey and the enclosed documentation are correct to the best of my knowledge and belief.

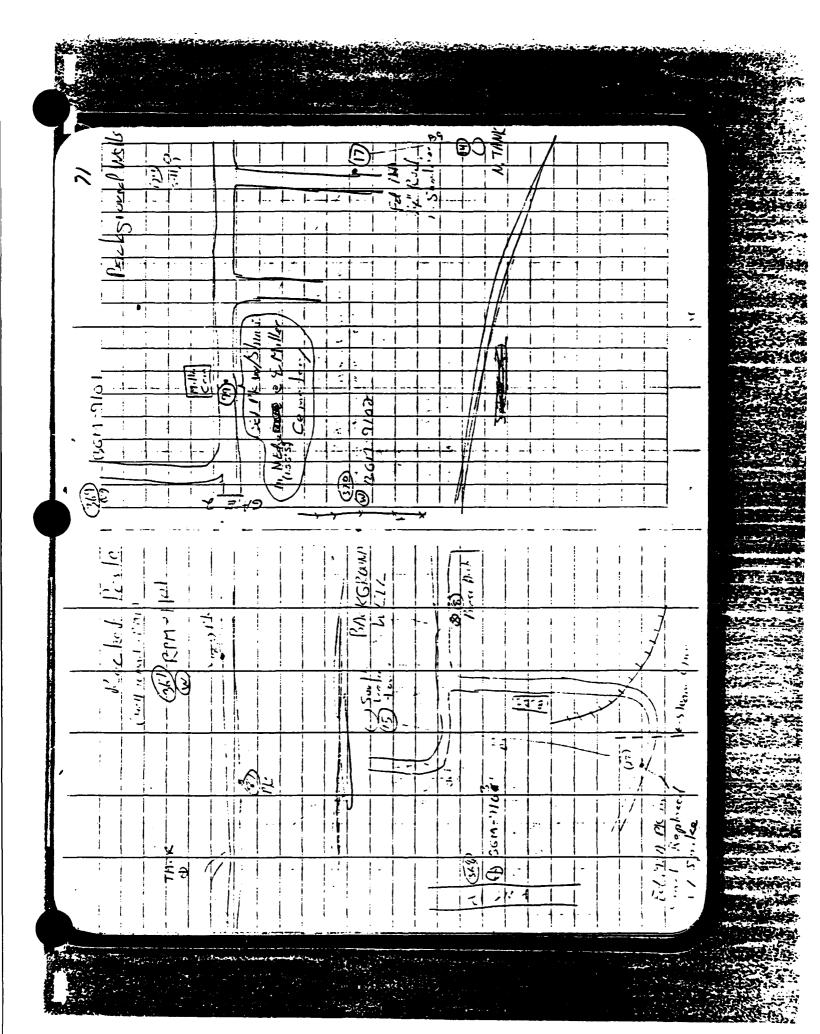
Dated this 6th day of March, 1992.

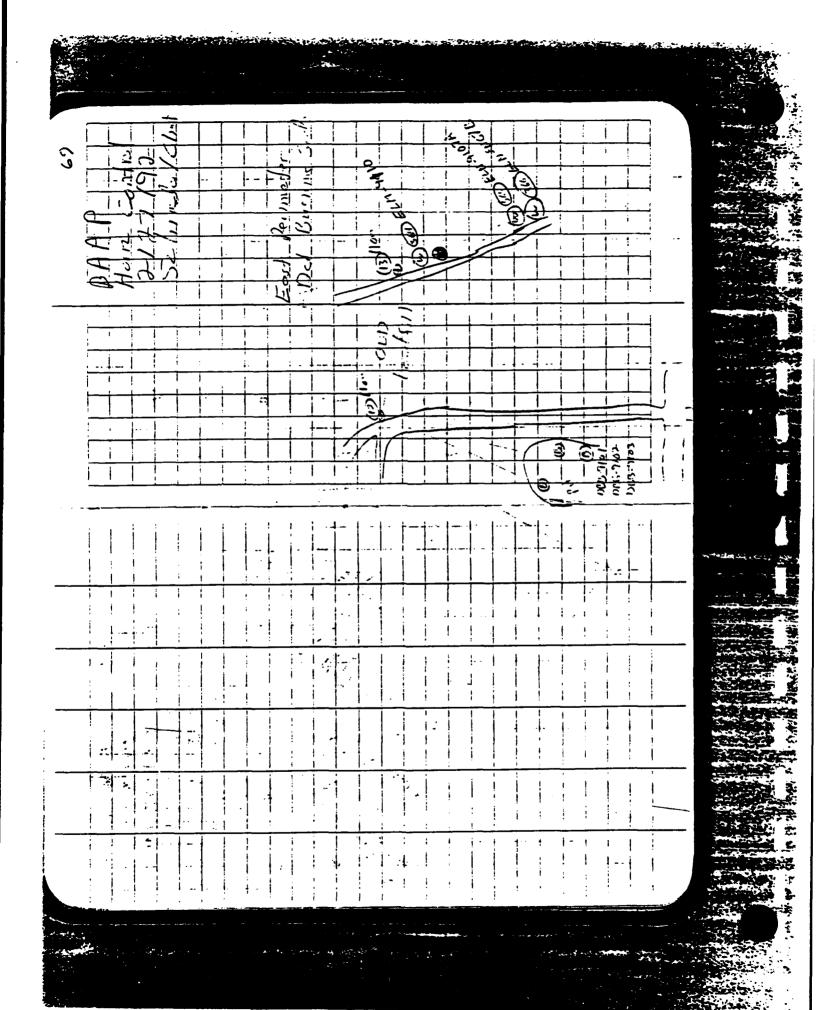
John L. Brey, RLS 1319 Vierbicher Associates, Inc. 400 Viking Drive, P.O. Box 379 Reedsburg, WI 53959

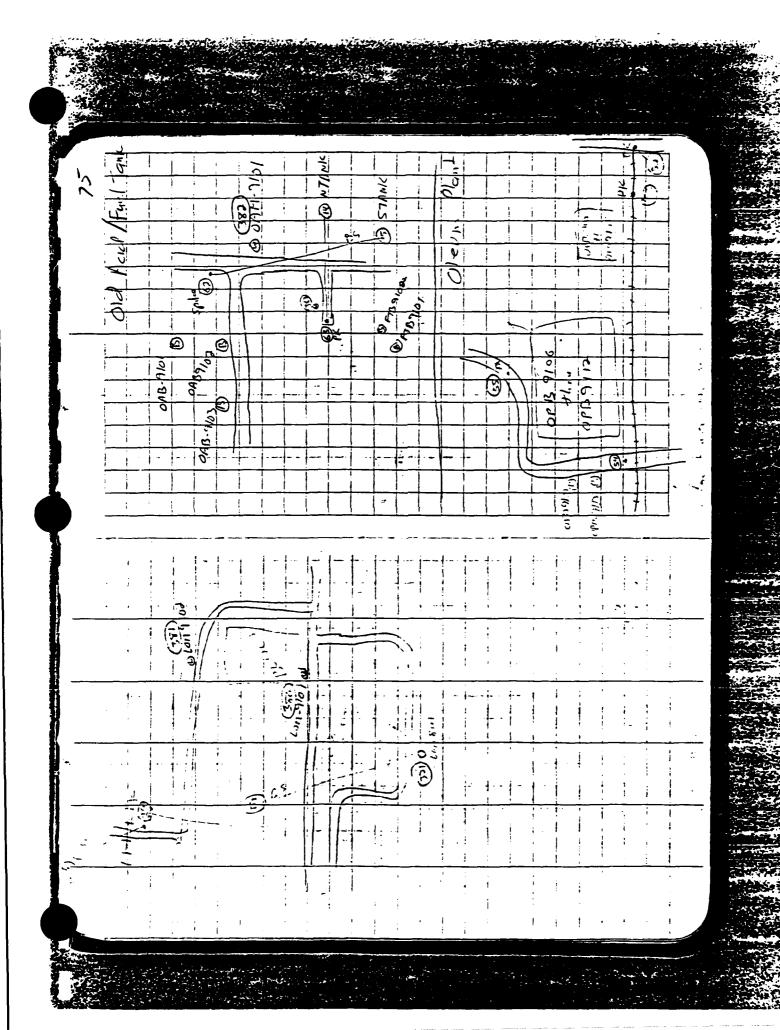


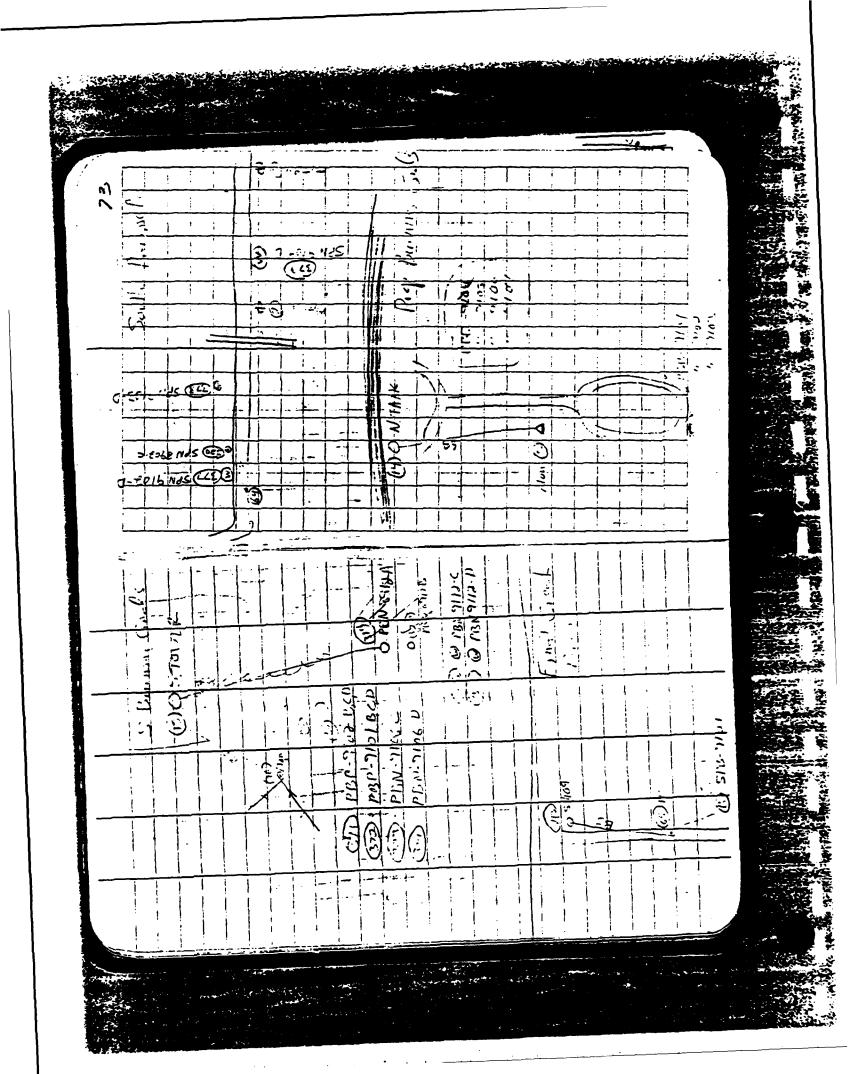
## APPENDIX A

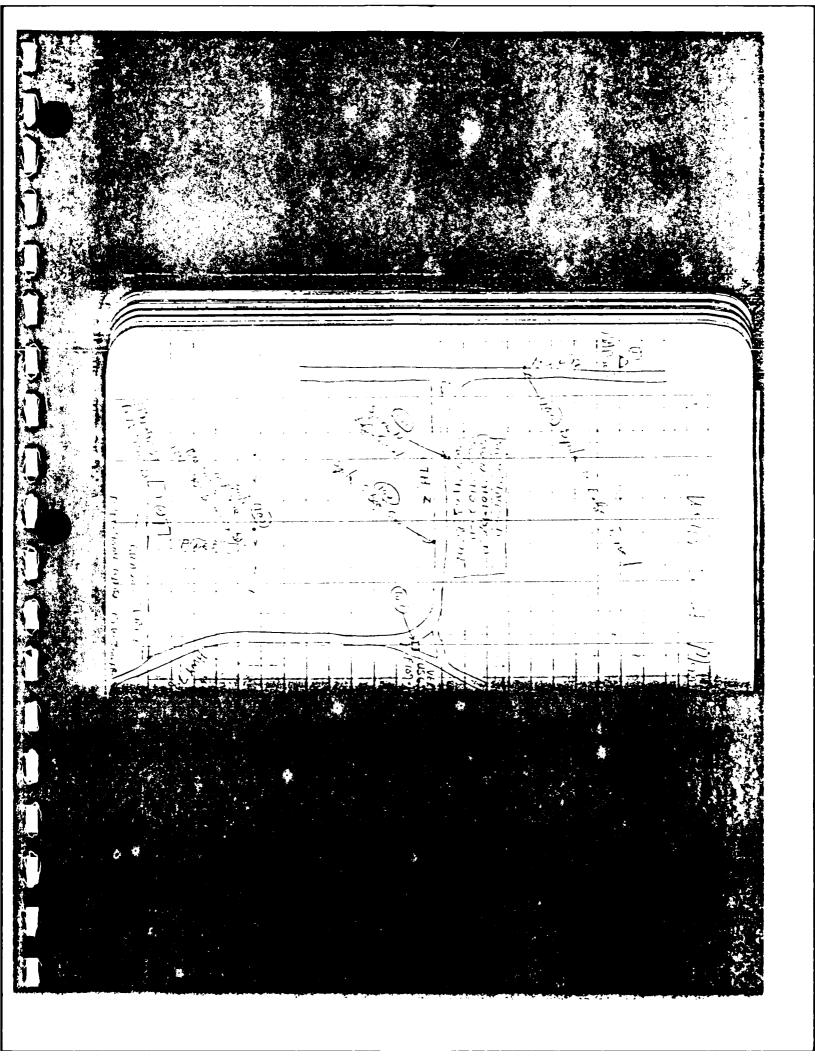
HORIZONTAL SURVEY FIELD NOTES FIELD DATA PRINTOUT FROM SDR-22











SDR20 VO3	S. Ai	erial no ngle : Degrees	by Datacom Software R 26-Feb-92 15:15 Dist : Feet Coord : N-E-Elv	Press : Inch Hg
J05	. 10	D ID BAAP1		
NOTE CP	S	a level crn: N		
NOTE CP	C	and R orn: Y		
NOTE CP	At	Mos crn: Y		
NOTE TS	26	-Feb-92 08:40		
SCALE	۶.	F. 0.999891900		
NOTE TS	26	-Feb-92 08:40		
NOTE	B4	DGER		•
NOTE	LC	CATE MON. WELLS		
NOTE	KA	V RHK		
NOTE	FE	5-23		
POS KI 0001		th 485879.670 de BADGER	East 2064098.740	Elv (Null)
POS KI 0014		th 500230.170 de TOWER	East 2063778.760	Elv (Null)
POS KI 0015		th 497573.050 de TOWER	East 2063737.350	Elv (Null)
NOTE TS	26	-Feb-92 10:32		
INSTR	Th V.	Tcomms eo (No text) obs : Zenith C. mm -30.000	EDM (No text) Serial no 000000 Edm o/s (Null)	Serial no 112326 Mount: not applo Refl o/s (Null)
STN TP 0001		th 485879.670 eo ht (Null)	East 2064098.740 Code BADGER	Elv (Null)
ATMOS	Pr	ess 30.00	Temp 30.0	
BKB TP 0001-00	014 Az	mth 358-43'22"	H.obs 359-59'58"	
OBS MC 0001-00		st (Null) de TOWER	V ang 90-00'00"	Azmth 356-43'22"
STN TP 0001		th 485879.670 eo ht (Null)	East 2064098.740 Code BADGER	Elv (Null)

more to continuous of the services and the services

NOTE TO	20-70 <b>0</b> -92 11:20		
055 MC 0001-0100	Diet 3065.331 Code NAIL	V ang 90-00100"	Azmth 179-41'37"
PS MC 0001-0100	Dist 3085.331 Code NAIL	V ang 90-00'00"	Azmth 179-41'27"
OBS MC 0001-0100	Dist 0080.301 Code NAIL	V ang 90-00'00"	Azmth 179-41°32"
STN TP 0100	Nrth 482814.714 Theo ht (Null)	East 2064115.210 Code NAIL	EIV (Null)
EKB TP 0100-0001	Azmth 359-41'32"	H.obs 059-59'53"	
GBS MC 0100-0001	Dist 3065.329 Code BADGER	V ang 90-00100"	Azmth 359-41'39"
OBS MC 0100-0001	Dist 3065.329 Code BADGER	V ang 90-00'00"	Azmth 359-41'24"
OBS MC 0100-0001	Dist 3065.329 Code BADGER	V ang 90-00'00"	Azmth 359-41'32"
OBS MC 0100-0101	Dist 4385.498 Code NAIL	V ang 90-00'00"	Azmth 143-08'59"
OBS MC 0100-0101	Dist 4385.498 Code NAIL	V ang 90-00'00"	Azmth 143-08'39"
OBS MC 0100-0101	Dist 4385.498 Code NAIL	V ang 90-00'00"	Azmth 143-08'49"
STN TP 0101	Nrth 479305.921 Theo ht (Null)	East 2066745.190 Code NAIL	Elv (Null)
STN TP 0101  BKB TP 0101-0100	Theo ht (Null)		Elv (Null)
	Theo ht (Null) Azmth 323-08'49"	Code NAIL	
BKB TP 0101-0100	Theo ht (Null) Azmth 323-08'49" Dist 4385.494	Code NAIL H.obs 0-00'00"	
BKB TP 0101-0100 OBS MC 0101-0100	Theo ht (Null) Azmth 323-08'49" Dist 4385.494 Code NAIL	Code NAIL H.obs 0-00'00" V ang 90-00'00"	Azmth 323-08'49"
BKB TP 0101-0100  OBS MC 0101-0100  NOTE TS  STN TP 0101	Theo ht (Null) Azmth 323-08'49"  Dist 4385.494 Code NAIL  26-Feb-92 11:50  Nrth 479305.921 Theo ht (Null)	Code NAIL  H.obs 0-00'00"  V ang 90-00'00"  East 2066745.190	Azmth 323-08'49"
BKB TP 0101-0100  OBS MC 0101-0100  NOTE TS  STN TP 0101	Theo ht (Null) Azmth 323-08'49"  Dist 4385.494 Code NAIL  26-Feb-92 11:50  Nrth 479305.921 Theo ht (Null)  Azmth 323-08'49"	Code NAIL  H.obs 0-00'00"  V ang 90-00'00"  East 2066745.190 Code NAIL	Azmth 323-08'49" Elv (Null)
BKB TP 0101-0100  OBS MC 0101-0100  NOTE TS  STN TP 0101  BKB TP 0101-0100	Theo ht (Null) Azmth 323-08'49"  Dist 4385.494 Code NAIL  26-Feb-92 11:50  Nrth 479305.921 Theo ht (Null)  Azmth 323-08'49"  Dist 4385.486 Code NAIL	Code NAIL  H.obs 0-00'00"  V ang 90-00'00"  East 2066745.190 Code NAIL  H.obs 359-59'53"	Azmth 323-08'49"  Elv (Null)  Azmth 323-08'57"
BKB TP 0101-0100  OBS MC 0101-0100  NOTE TS  STN TP 0101  BKB TP 0101-0100  OBS MC 0101-0100	Theo ht (Null) Azmth 323-08'49"  Dist 4385.494 Code NAIL  26-Feb-92 11:50  Nrth 479305.921 Theo ht (Null)  Azmth 323-08'49"  Dist 4385.486 Code NAIL  Dist 4385.475 Code NAIL	Code NAIL  H.obs 0-00'00"  V ang 90-00'00"  East 2066745.190 Code NAIL  H.obs 359-59'53"  V ang 90-00'00"	Azmth 323-08'49"  Elv (Null)  Azmth 323-08'57"  Azmth 323-08'42"
BKB TP 0101-0100  OBS MC 0101-0100  NOTE TS  STN TP 0101  BKE TP 0101-0100  OBS MC 0101-0100  OBS MC 0101-0100	Theo ht (Null) Azmth 323-08'49"  Dist 4385.494 Code NAIL  26-Feb-92 11:50  Nrth 479305.921 Theo ht (Null)  Azmth 323-08'49"  Dist 4385.486 Code NAIL  Dist 4385.475 Code NAIL  Dist 4385.480 Code NAIL	Code NAIL  H.obs 0-00'00"  V ang 90-00'00"  East 2066745.190 Code NAIL  H.obs 359-59'53"  V ang 90-00'00"  V ang 90-00'00"	Azmth 323-08'49"  Elv (Null)  Azmth 323-08'57"  Azmth 323-08'42"  Azmth 323-08'49"
BKB TP 0101-0100  OBS MC 0101-0100  NOTE TS  STN TP 0101  BKB TP 0101-0100  OBS MC 0101-0100  OBS MC 0101-0100  OBS MC 0101-0100	Theo ht (Null) Azmth 323-08'49"  Dist 4385.494 Code NAIL  26-Feb-92 11:50  Nrth 479305.921 Theo ht (Null) Azmth 323-08'49"  Dist 4385.486 Code NAIL  Dist 4385.475 Code NAIL  Dist 4385.480 Code NAIL  Dist 1709.709 Code NAIL	Code NAIL H.obs 0-00'00" V ang 90-00'00"  East 2066745.190 Code NAIL H.obs 359-59'53" V ang 90-00'00"  V ang 90-00'00"	Azmth 323-08'49"  Elv (Null)  Azmth 323-08'57"  Azmth 323-08'42"  Azmth 323-08'49"

OBS MC 0101-0383	Dist 42.377 Code SWN-91-02D	V ang 90-00'00"	Azmth 323-50152"
085 MC 0101-0364	Dist 77.390 Code SWN-91-020	V ang 90-00100"	Apmth 296-19/3/"
GES MC 0101-0385	Dist 1166.899 Code SWN-91-01D	V ang 90-00'00"	Azmth 271-42'57"
OBS MC 0101-0386	Dist 1210.899 Code SWN-91-01C	V ang 90-00'00"	Azmth 271-24 17"
DES MC 0101-0387	Dist 1234.498 Code SWN-91-01B	V ang 90-00'00"	Azmth 271-14°07"
STN TF 0102	Nith 479283.531 Theo ht (Null)	East 2068454.580 Code NAIL	Elv (Null)
EKE TP 0102-0101	Armth 270-45'02"	H.obs 0-00'00"	
CES MC 0102-0101	Dist 1709.699 Code NAIL	V ang 90-00'00"	Azmth 270-45'02"
STN TP 0102	Nrth 479283.531 Theo ht (Null)	East 2068454.580 Code NAIL	Elv (Null)
EKB TP 0102-0101	Azmth 270-45'02"	H.obs 359-59'55"	
OBS MC 0102-0101	Dist 1709.709 Code NAIL	V ang 90-00'00"	Azmth 270-45'07"
OBS MC 0102-0101	Dist 1709.719 Code NAIL	V ang 90-00'00"	Azmth 270-44'57"
OBS MC 0102-0101	Dist 1709.714 Code NAIL	V ang 90-00'00"	Azmth 270-45'02"
NOTE TS	26-Feb-92 12:22		
OBS MC 0102-0103	Dist 2704.066 Code NAIL	V ang 90-00'00"	Azmth 165-38'52"
OBS MC 0102-0103	Dist 2704.066 Code NAIL	V ang 90-00'00"	Azmth 165-38'42"
OBS MC 0102-0103	Dist 2704.066 Code NAIL	V ang 90-00'00"	Azmth 165-38'47"
OBS MC 0102-0388	Dist 1921.006 Code SWN-91-05B	V ang 90-00'00"	Azmth 99-54'42"
OBS MC 0102-0389	Dist 1942.447 Code SWN-91-05C	V ang 90-00'00"	Azmth 100-42'12"
OBS MC 0102-0390	Dist 1976.438 Code SWN-91-05D	V ang 90-00'00"	Azmth 101-40'22"
OBS MC 0102-0104	Dist 2074.126 Code BM USGS F109 3		Azmth 99-49'02"
OBS MC 0102-0391	Dist 805.659 Code SWN-91-04C	V ang 90-00'00"	Azmth 84-47'57"
ran Mollescheepe	Dist 761.819	11 and 90-00100"	Azmth 84-23127"

OBS MC 0102-0393	Dist 305.219 Code SWN-91-03C	V ang 90-00'00"	Azmth 262-41'02"
OBS MC 0101-0074	0180 LfL.409 Code SWN-91-03B	V ang 90-00°00"	Azmth 164-36157"
OBS MC 0102-0395	Dist 229.008 Code SWN-91-03D	V ang 90-00'00"	Almoh 287-14'41"
OBS MC 0102-0396	Dist 179.314 Code SWN-91-03E	V ang 90-00100"	Azmth 292-00/21"
NOTE IS	26-Feb-92 12:53		
STN TP 0103	Nrth 476664.159 Theo ht (Null)	East 2069124.860 Code NAIL	EIV (Null)
BKB TP 0103-0102	Azmth 343-38/47"	H.obs 359-59`55"	
OBS MC 0103-0102	Dist 2704.076 Code NAIL	V ang 90-00'00"	Azmth 345-38°52"
OBS MC 0103-0102	Dist 2704.077 Code NAIL	V ang 90-00'00"	Azmth 345-38'42"
OBS MC 0103-0102	Dist 2704.076 Code NAIL	V ang 90-00'00"	Azmth 345-38'47"
OBS MC 0103-0397	Dist 1440.068 Code PBN-91-01C	V ang 90-00'00"	Azmth 71-22'52"
OBS MC 0103-0398	Dist 1447.600 Code PBM-90-01D	V ang 90-00'00"	Azmth 69-22'17"
OBS MC 0103-0399	Dist 819.270 Code PBN-91-02C	V ang 90-00'00"	Azmth 141-03'37"
OBS MC 0103-0400	Dist 849.054 Code PBN-91-02B	V ang 90-00'00"	Azmth 139-32'12"
OBS MC 0103-0401	Dist 862.572 Code PBM-90-02D	V ang 90-00'00"	Azmth 141-02'27"
OBS MC 0103-0402	Dist 1953.155 Code PBN-91-03C	V ang 90-00'00"	Azmth 176-07'07"
OBS MC 0103-0403	Dist 1959.229 Code PBN-91-03B	V ang 90-00'00"	Azmth 175+25:02"
OBS MC 0103-0404	Dist 1973.009 Code PBM-90-03D	V ang 90-00'00"	Azmth 175-25'57"
OBS MC 0103-0405	Dist 3733.729 Code PBN-90-04D	V ang 90-00'00"	Azmth 156-25'22"
NOTE TS	26-Feb-92 13:24		
OBS MC 0103-0406	Dist 3709.759 Code PBN-90-04B	V ang 90-00'00"	Azmth 157-23'37"
NOTE TS	26-Feb-92 14:30		
NOTE TS	26-Feb-92 14:30		

3082x VO3-01	J Compright 1985-91 Serial no 0000 Angle - Degrees Temp : Fahrennt	<pre>b) Datacom Sortware 27-FEE-92 17 31 Dist : Fact Coord : n-E-E1v</pre>	
JUS	Job ID EAAP2		
NOTE	BAAR WELL AND BORI	ING LOCATIONS	
NOTE	S-20		
SCALE	8.7. 0.999891900		
NOTE OF	Sea le el crn:N		
NOTE CP	C and R orn : N		
NOTE CP	Atmos crn : Y		
NOTE TS	27-Feb-92 08:53		
NOTE TS	27-Feb-92 09:09		
INSTR	SET Theo (No text) V.obs : Zenith P.C. mm 0.000	EDM (No text) Serial no 000000 Edm o/s (Null)	Mount: not apple
POS KI 0012	Nrth 501768.430 Code MON	East 2074666.280	Elv (Null)
POS KI 0013	Nrth 501744.430 Code MON	East 2076165.990	Elv (Null)
STN TP 0013	Nrth 501744.430 Theo ht (Null)	East 2076165.990 Code MON	Elv (Null)
ATMOS	Press 29.00	Temp 40.0	
NOTE TS	27-Feb-92 09:27		
BKB TP 0013-0012	Azmth 270-55'01"	H.obs 0-00'00"	
OBS F1 0013-0012	Dist (Null) Code BS	V.obs 90-05'05"	H.obs 0-00'00"
OBS MC.0013-0364	Dist 134.820 Code ELM-9110	V ang 90-55 55"	Azmth 145-05'51"
OBS MC 0013-0365	Dist 1412.138 Code ELN-9107-A	V ang 91-07'05"	Azmth 146-28'41"
OBS MC 0013-0366	Dist 1461.248 Code ELN-9107-B	V ang 91-08'55"	Azmth 146-30'31"

MOTE TE

27 47 (1) 32 09 43 1

sin de evil	(6)	Zabo Zoviekovijo Jede MON	mark of Sommark
DNB TF 0012-0010	A4m 90-55101"	H.U55 0-05 (US)	
9ES F1 0012-0013	Dist (Mully Code IV	7.908 39-54'00"	120100-0 ado.K
UE3 MC 0012-1323	Dist 814.369 Cada DBE-91 <b>0</b> 2	V and 30-34195"	Azmth 191-42 lb*
089 MC 0012-1026	Dist 795.209 Code DBE-9103	V ang 90-38°00"	Azmth 106-02146"
NOTE TS	27-Feb-92 10:09		
GBS MC 0011-1017	Dict 979.958 Code DSB-9101	V ans 90-08105"	Azmiti 190-41143"
NOTE IS	27-Feb-92 10:04		
POS KI 0007	Nata 492772.030 Cous THOR	East 2074449. <b>280</b>	Slv (Null)
POS KI 0006	Noth 492715.810 Code MERCURY	East 2073164.040	Elv (Null)
203 KI 0040	Nrth 492525.950 Code MSA PNT	East 2075305.390	Elv (Null)
POS KI 0041	Nrth 492531.440 Code MSA PNT	East 2077371.630	Elv (Null)
os KI 0087	Nrth 492497.400 Code PK	East 2075409.640	Elv (Null)
POS KI 0086	Nrth 492505.600	East 2076989.440	Elv (Null)
STN SO 0007	Nrth 492792.030 Theo ht (Null)	East 2074449.280 Code MON	Elv (Null)
BKB SO 0007-0006	Azmth 266-36'22"	H.obs 359-59'55"	
OBS F1 0007-0006	Dist (Null) Code BS	V.obs 76-10'55"	H.obs 359-59'55"
NOTE TS	27-Feb-92 11:34		
STN SO 0087	Nrth 492497.400 Theo ht (Null)	East 2075409.640 Code MON	Elv (Null)
BKB S0 0087-0007	Azmth 287-03'20"	H.obs 0-00'00"	
OBS F1 0087-0007	Dist (Null) Code BS	V.obs 85-51'00"	H.obs 0-00'00"
NOTE TS	27-Feb-92 12:02		
STN TP 0086		East 2076989.440 Code PK	Elv (Null)
SKB TP 0086-0087	Azmth 269-42'09"	H.obs 0-00'00"	
OBS F1 0086-0087	Dist (Null) Code ES	V.obs 89-31'45"	H.obs 0-00'00"

NO.Z 15	na i e 😑 na 🦠 na 🗀 na na na na na na na na na na na na na		
088 M2 0065-0367	2100-201.580 6000-284-3101	unt.,	AIMEN 322-11 L
NOTE TS	17-Feb-92 13-01		
POS KI 0028	Nrth 494312.160 Code MSA FNT	East 2053102.280	Elv (Null)
POS KI 0008 .	Nith 495394.540 Code BRASS DISK	Zast 2003832.010	Eiv (Mull)
POS KI 0216	Nrth 494499.030 Code S-1123	Iust 2082074.570	Elv (Null)
NOTE TS	27-Føb-92 13:29		
STN 80 0028	Nrth 494312.160 Theo ht (Null)	East 2063101.280 Joda FK	Elv (Null)
ERB 50 0028-0008	Azmth 26-37'00"	8.00° 0-00° 2d0.8	
083 F1 0028-0308	Disc (Mull) Code 85	/.aba 89−8ə135"	H.065 0-00'00"
NOTE TS	27-Feb-92 14:06		
POS KI 0015	Nrth 497573.050 Code S.TOWER	East 2063737.350	Elv (Null)
STN TP 0026	Nrth 494312.160 Theo ht (Null)	East 2063102.280 Code SPIKE	Elv (Null)
BK6 TP 0028-0015	Azmth 11-01'14"	H.obs 0-00'00"	
OBS F1 0028-0015	Dist (Null) Code BS	V.obs 87-43'40"	H.obs 0-00'00"
OBS MC 0028-0368	Dist 2616.706 Code BGM-9103	V ang 89-54'35"	Azmth 327-50154"
POS SO 1028	Nrth 495394.721 Code 0008 Fill (Nul		Elv (Null)
NOTE	CHECK ON 8 POOR		
NOTE TS	27-Feb-92 14:22		
POS SO 1029	Nrth (Null) Code 0216 Fill (Nul		Elv (Null)
NOTE	ANGLE CHECK TO 216	RIGHT ON	
POS KI 0214	Nrth 503377.900 Code S-1127	East 2063312.330	Elv (Null)
POS KI 0017	Nrth 502329.560 Code MSA PNT	East 2063232.140	Elv (Null)
NOTE TS	27-Feb-92 14:37		
POS KI 0018	Nrth 503159.870 Code MSA PNT	East 2064665.040	Elv (Null)

	Theo at Mull,	Code   8-1117	
ākā 80 0214-0013	ALMS1 270-40145"	4.955 0-001001	
3E6 F1 U114-0618	Dist (Noll) Code 33	/1050 38-481031	a.apt 0-00 001
NOTE TS	27-Feb-92 15:10		
P03 k1 0014	N: Un 300100.170 Code N.TOWER	East 2063778.760	Elv (Null)
STN 80 0017 _	Nyth 502329.560 Theo ht (Null)	East 2063232.140 Code MSA ROD	Elv (Null)
EKB 50 0017-0014	Azmth 165-24121"	H.obs 0~00'00"	
OBS F1 0017-0014	Dist (Null) Code BS	7.058 36-49 20*	H.0bs 0-001001
OBS F1 0017-0014	Dist (Null) Code N.TOWER	V.obs 86-43'40"	H.obs 0-00'00"
029 MD 0017-0099	Dist 994.260 Code Mult dist#1	V.obs (Null)	H.obs (Null)
OBS MD 0017-0099	Dist 994.260 Code Mult dist#2	V.obs (Null)	H.obs (Null)
OBS F1 0017-0099	Dist 994.260 Code PK	V.obs 90-12'55"	H.obs 117-31'55"
BS MD 0017-0099	Dist 994.260 Code Mult dist#1	V.obs (Null)	H.obs (Null)
OBS MD 0017-0099	Dist 994.260 Code Mult dist#2	V.obs (Null)	H.obs (Null)
OBS F2 0017-0099	Dist 994.260 Code PK	V.obs 269-46'55"	H.obs 297-31'50"
NOTE TS	27-Feb-92 15:25		
OBS F2 0017-0014	Dist (Null) Code N.TOWER	V.obs 273-14'35"	H.obs 180-00'00"
SET TV 0017	Count 002		
OBS MC 0017-0014	Dist (Null) Code N.TOWER	V ang 86-44'32"	Azmth 165-24'21"
OBS MC 0017-0099	Dist 994.258 Code PK	V ang 90-13'00"	Azmth 282-56'14"
POS TV 0099	NYth 502552.130 .	East 2062263.230	Elv (Null)
BKB TV 0017-0014	Azmth 165-24'21"	H.obs 0-00'00"	<del>-</del> '
TN TP 0099		East 2062263.230 Code PK	Elv (Null)
BK6 TP 0099-0017	A	U ab = 0 00100#	

. .

. .

NOTE TS	27-Feb-92 15:40		
088 MC 0099-0363	0100 712.09: 0000 <b>36</b> 4-9101	V any 90-25150"	Azmuli 340-10129"
OBS MC 0099-0370	Disc 473.629 Code BGM-0102	7 ans 90-17105"	Azmth 211-26'49"
NOTE TS	27-Feb-92 16:05		
POS KI 0319	Nrth 486337.600 Code PBN 8912-A	East 2066514.440	Elv (Mull)
POS KI 0320	Nrth 486310.600 Code PBN 8912-B	East 1066513.920	Ziv (Null)
STN 50 0019	Noth 436337.600 Theo ht (Nuil)	East 206-514.440	Elv (Null)
BKB 50 0319-0015	Azmth 346-06'59"	H.obs 0-00'05"	
OBS F1 0019-0015	Dist (Null) Code BS	V.obs 89-13/30"	H.abs 0-001031
POS KI 0096	Nrth 487682.455 Code MON	East 2065958.520	Elv (Null)
NOTE TS	27-Feb-92 16:26		
STN TP 0096	Nrth 487682.455 Theo ht (Null)	East 2065958.520	Elv (Null)
BKB TP 0096-0015	Azmth 347-20'34"	H.obs 0-00'00"	
OBS F1 0096-0015	Dist (Null) Code BS	V.obs 88-54'35"	H.obs 0-00'00"
OBS MC 0096-0371	Dist 527.669 Code PBP 9102-BCD	V ang 89-41'10"	Azmth 135-59'14"
OBS MC 0096-0372	Dist 742.639 Code PBP 9101-BCD	V ang 89-26'45"	Azmth 127-47'04"
OBS MC 0096-0373	Dist 840.179 Code PBN 9106-C	V ang 89-39'20"	Azmth 133-37'09"
OBS MC 0096-0374	Dist 821.059 Code PBN 9106-D	V ang 89-41'55"	Azmth 134-40'29"
OBS MC 0096-0375	Dist 1507.127 Code PBN 9112-C	V ang 89-53'25"	Azmth 158-38'54"
NOTE TS	27-Feb-92 16:41		
OBS MC 0096-0376	Dist 1530.027 Code PEN 9112-D	V ang 89-55°55"	Azmth 159-15'49"

* END OF REPORT *

SDR2x	V03-017	Serial no 0000 Angle - Degrees	by Datacom Software F 28-FE3-92 13:19 Dist : Feet Coord : N-E-Elv	Press : Inch ha
JOB		Job ID BAAP3		
NOTE	•	BAAP WELLS AND BOR	INGS	
NOTE		<b>3</b> -23	·	
SCALE		S.F. 0.999891900		
NOTE CP		Sea level crn:N		
NOTE CP		C and R crn : N		
NOTE CP		Atmos crn : Y		
NOTE TS		27-Feb-92 18:26		
NOTE TS		28-Feb-92 08:09		
INSTR		SET Theo (No text) V.obs : Zenith P.C. mm 0.000	EDM (No text) Serial no 000000 Edm o/s (Null)	Serial no 000000 Mount: not applc Refl o/s (Null)
POS KI O	014	Nrth 500230.170 Code NTOWER	East 2063778.760	Elv (Null)
POS KI O	015	Nrth 497573.050 Code S.TOWER	East 2063737.350	Elv (Null)
POS KI OZ	213	Nrth 488535.600 Code S1109	East 2064509.900	Elv (Null)
POS KI O	065	Nrth 487183.315 Code PK	East 2064483.360	Elv (Null)
POS KI OC	064	Nrth 484697.850 Code PK	East 2065054.350	Elv (Null>
POS KI OC	002	Nrth 484682.930 Code APOLLO	East 2066803.060	Elv (Null)
POS KI OO	003	Nrth 484686.320 Code TITAN	East 2068037.990	Elv (Null)
POS KI 03	329	Nrth 484743.700 Code SPN 8902-C	East 2065402.800	Elv (Null)
POS KI OO	952	Nrth 503924.120 Code PK	East 2074714.610	Elv (Null)
POS KI OO	53	Nrth 503765.640 Code PK	East 2073428.100	Elv (Null)

CONTRACT TO

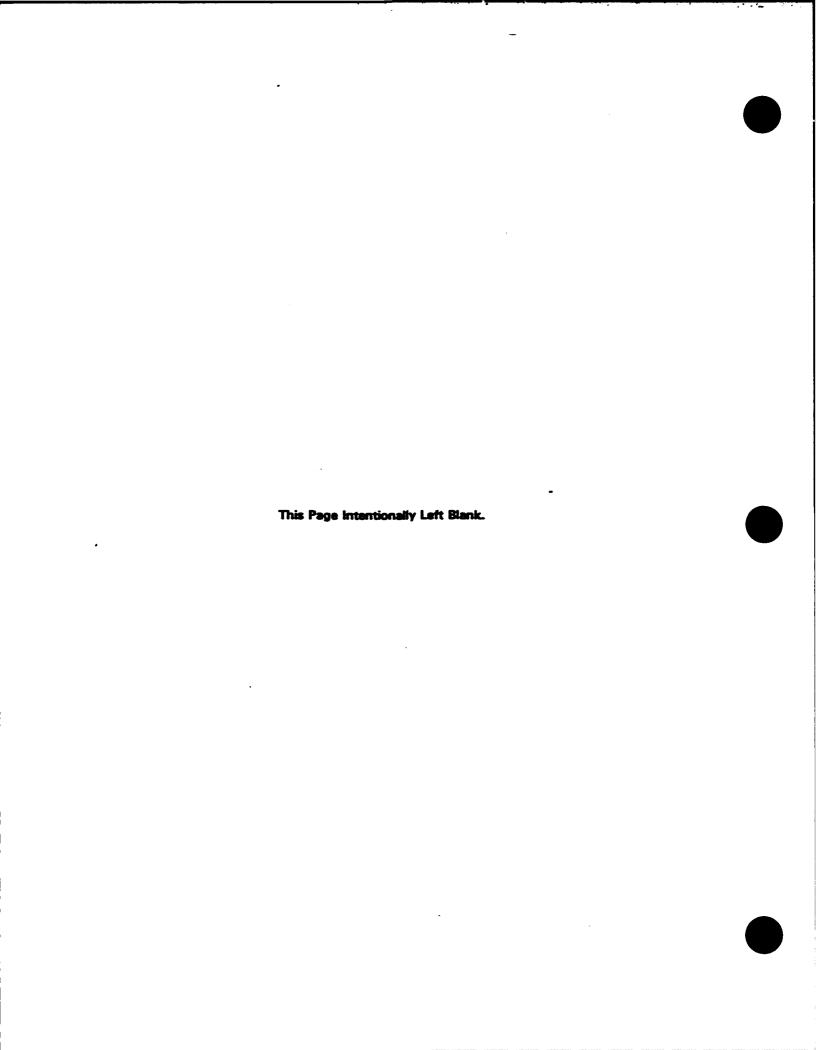
	COGC III		
P00 NI 0038	an th 504129.560 Code PK	Eust 1070869.380	Ilv (Muli)
NOTE TS	28-F9b-92 08:52		
POS KI 0004	Nrth 491898.100 Code MON	East 2066509.050	Elv (Null)
POS KI 000S	Nrth 491398.300 Code MON	East 2066501.000	EIV (Nu11)
STN TP 0065 .	Nrth 487183.315 Theo ht (Null)	East 2064463.360 Code PK	Elv (Null)
ATMOS	Press 29.00	Temp 40.0	
NOTE TS	28-Feb-92 09:07		
BKB TP 0065-0213	Azmth 1-07'27"	H.obs 0-00'00"	
OBS F1 0065-0213	Dist (Null) Code BS	V.obs 89-56'00"	H.obs 0-00'00'
OBS MC 0065-1028	Dist 1308.338 Code SPB 9101	V ang 90-57'45"	Azmth 168-53'07"
STN TP .0064	Nrth 484697.850 Theo ht (Null)	East 2065054.350 Code PK	Elv (Null)
BKB TP 0064-0329	Azmth 82-30'14"	H.obs 0-00'00"	
OBS F1 0064-0329	Dist (Null) Code BS	V.obs 90-36'40"	H.obs 0-00'00"
NOTE TS	28-Feb-92 09:22		
OBS MC 0064-0377	Dist 134.930 Code SPN 9102-D	V ang 91-21'30"	Azmth 75-28/29"
OBS MC 0064-0377 OBS MC 0064-0378	Code SPN 9102-D	V ang 91-21'30" V ang 89-56'45"	
	Code SPN 9102-D Dist 943.948		
OBS MC 0064-0378	Code SPN 9102-D Dist 943.948 Code SPN 9103-D	V ang 89-56'45"	Azmth 77-10'29"
OBS MC 0064-0378  NOTE TS  STN TP 0002	Code SPN 9102-D  Dist 943.948  Code SPN 9103-D  28-Feb-92 09:37  Nrth 484682.930	V ang 89-56'45"  East 2066803.060 Code APOLLO	Azmth 77-10'29"
OBS MC 0064-0378  NOTE TS  STN TP 0002	Code SPN 9102-D  Dist 943.948 Code SPN 9103-D  28-Feb-92 09:37  Nrth 484682.930 Theo ht (Null)  Azmth 89-50'34"	V ang 89-56'45"  East 2066803.060 Code APOLLO	Azmth 77-10'29"  Elv (Null)
OBS MC 0064-0378  NOTE TS  STN TP 0002  BKB TP 0002-0003	Code SPN 9102-D  Dist 943.948 Code SPN 9103-D  28-Feb-92 09:37  Nrth 484682.930 Theo ht (Null)  Azmth 89-50'34"  Dist (Null) Code BS	V ang 89-56'45"  East 2066803.060 Code APOLLO  H.obs 0-00'00"	Azmth 77-10'29"  Elv (Null)  H.obs 0-00'00"
OBS MC 0064-0378  NOTE TS  STN TP 0002  BKB TP 0002-0003  OBS F1 0002-0003  OBS MC 0002-0379	Code SPN 9102-D  Dist 943.948 Code SPN 9103-D  28-Feb-92 09:37  Nrth 484682.930 Theo ht (Null)  Azmth 89-50'34"  Dist (Null) Code BS  Dist 332.889	V ang 89-56'45"  East 2066803.060 Code APOLLO  H.obs 0-00'00"  V.obs 88-45'40"	Azmth 77-10'29"  Elv (Null)  H.obs 0-00'00"
OBS MC 0064-0378  NOTE TS  STN TP 0002  BKB TP 0002-0003  OBS F1 0002-0003  OBS MC 0002-0379  NOTE TS	Code SPN 9102-D  Dist 943.948 Code SPN 9103-D  28-Feb-92 09:37  Nrth 484682.930 Theo ht (Null)  Azmth 89-50'34"  Dist (Null) Code BS  Dist 332.889 Code SPN 9104-D  28-Feb-92 10:00  Nrth 491398.300	V ang 89-56'45"  East 2066803.060 Code APOLLO  H.obs 0-00'00"  V.obs 88-45'40"	Azmth 77-10'29"  Elv (Null)  H.obs 0-00'00"  Azmth 88-29'24"
OBS MC 0064-0378  NOTE TS  STN TP 0002  BKB TP 0002-0003  OBS F1 0002-0003  OBS MC 0002-0379  NOTE TS  STN TP 0005	Code SPN 9102-D  Dist 943.948 Code SPN 9103-D  28-Feb-92 09:37  Nrth 484682.930 Theo ht (Null)  Azmth 89-50'34"  Dist (Null) Code BS  Dist 332.889 Code SPN 9104-D  28-Feb-92 10:00  Nrth 491398.300	V ang 89-56'45"  East 2066803.060 Code APOLLO  H.obs 0-00'00"  V.obs 88-45'40"  V ang 90-11'15"  East 2066501.000 Code MON	Azmth 77-10'29"  Elv (Null)  H.obs 0-00'00"  Azmth 88-29'24"
OBS MC 0064-0378  NOTE TS  STN TP 0002  BKB TP 0002-0003  OBS F1 0002-0003  OBS MC 0002-0379  NOTE TS  STN TP 0005	Code SPN 9102-D  Dist 943.948 Code SPN 9103-D  28-Feb-92 09:37  Nrth 484682.930 Theo ht (Null)  Azmth 89-50'34"  Dist (Null) Code BS  Dist 332.889 Code SPN 9104-D  28-Feb-92 10:00  Nrth 491398.300 Theo ht (Null)  Azmth 342-52'09"	V ang 89-56'45"  East 2066803.060 Code APOLLO  H.obs 0-00'00"  V.obs 88-45'40"  V ang 90-11'15"  East 2066501.000 Code MON	Azmth 77-10'29"  Elv (Null)  H.obs 0-00'00"  Azmth 88-29'24"  Elv (Null)

085 MC 0005-1029	Dist 848.067 Code 7820131	V ang 89-04'00"	Azmth 164-22/44"
303 MC 3000 1300	0100 1920.548 Code PB59102	2 ang 87-04730"	- Halmatin 171-42 (41)
OBS MC 0005-1031	Dist 1018.148 Code PB89103	V ang 39-37'10"	Azmth 161-48'29"
OBS MC 0005-1032	Dist 389.879 Code PBB9104	V ang 88-15'05"	Azmth 56-15'54"
OBS MC 0005-1033	Dist 352.209 Code PBB9105	V ang 88-00'30"	Azmth 61-30'09"
NOTE TS	28-Fab-92 10:16		
OBS MC 0005-1034	Dist 749.069 Code PBE9106	V ang 88-27'10"	Azmth 43-48'14"
OBS MC 0005-1035	Dist 613.559 Code PBB9107	V ang 88-24/30"	Azmth 45-31'39"
POS KI 0321	Nrth 492013.500 Code LOM 8901	East 2067665.700	Elv (Null)
POS KI 0069	Nrth 492493.284 Code PK	East 2067871.200	Elv (Null)
STN SO 0321	Nrth 492013.500 Theo ht (Null)	East 2067665.700	Elv (Null)
BKB S0 0321-0015	Azmth 324-45'19"	H.obs 359-59'55"	
OBS F1 0321-0015	Dist (Null) Code BS	V.obs 89-19'00"	H.obs 359-59'55"
NOTE TS	28-Feb-92 10:38		
OBS MC 0321-0380	Dist 605.499 Code LOM 9101	V ang 89-55'15"	Azmth 5-00'44"
NOTE TS	28-Feb-92 10:54	· 	
POS KI 0029	Nrth 493778.510 Code MSA PNT	East 2066523.780	Elv (Null)
STN SO 0029	Nrth 493778.510 Theo ht (Null)	East 2066523.780	Elv (Null)
BKB SO 0029-0015	Azmth 323-42'33"	H.obs 0-00'00"	
OBS F1 0029-0015	Dist (Null) Code BS	V.obs 88-29'50"	H.obs 0-00'00"
OBS MC 0029-0381	Dist 1458.748 Code LOM 9102	V ang 88-41'55"	Azmth 108-07'18"
NOTE TS	28-Feb-92 11:11		
POS KI 0062	Nrth 500775.890 Code SPIKE	East 2063179.950	Elv (Null)
BOS KI 0000	Magin <b>୬.୩୩</b> .୭ <b>୬</b> ୩୯	Each 2042190.400	Elm (Null)

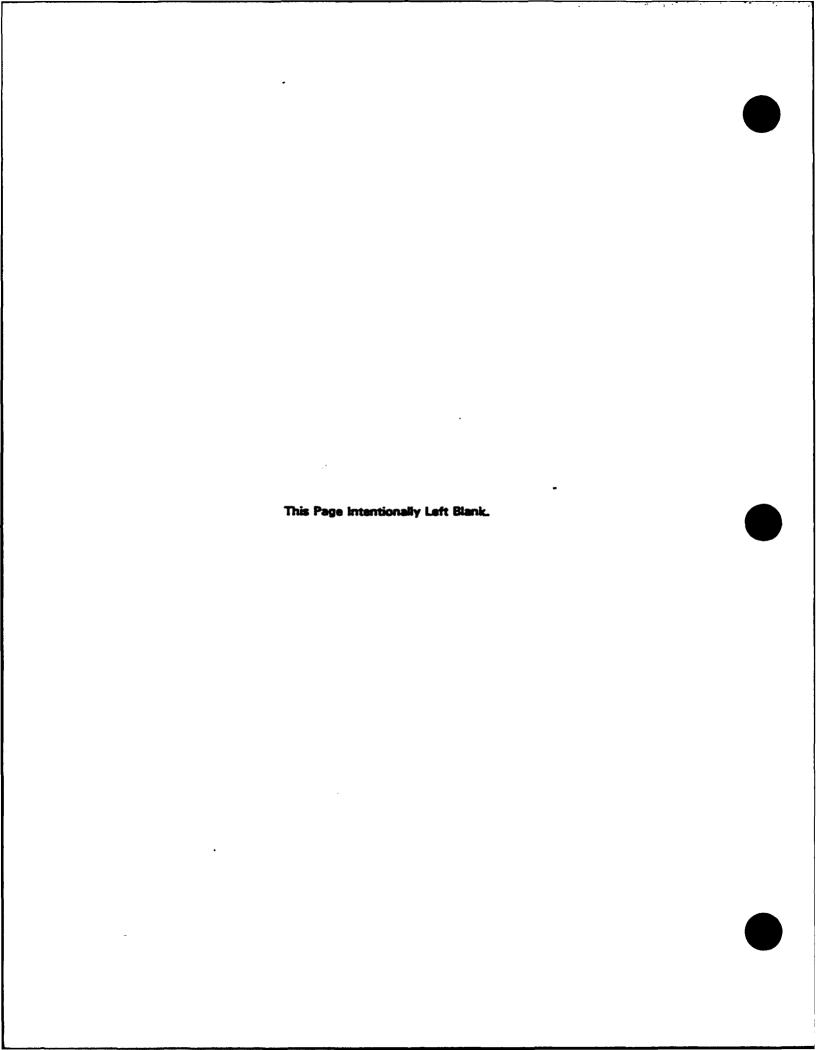
	•		
STN S0 0062	Nrth 500775.890 Theo ht (Nuil)	East 20e3179.950 Code SPIKE	Elv (Null)
ತೆಗಿತ 80 00ಕ್ಕ-0010	Almen 1/0-07/39"	700100-0 8d0.n	
065 F1 0062-0015	Dist (Null) Code BS	V.obs 97-45'25"	H.obs 0-00'00"
029 MC 0062-1036	Dist 486.789 Code OAB 9103	V ang 39-43105"	Azmth 263-11/29"
OBS MC 0062-1037	Dist 267.620 Code OAB 9102	V ang 90-03'30"	Azmth 262-05'04"
NOTE TS	28-Feb-92 11:27		
035 MC 0062-1036	Dist 324.149 Code 0AB 9101	V ang 67-47155"	Azmth 296-57'59"
085 MC 0062-0382	Dist 191.730 Code OAM 9101	V ang 89-27°50"	Azmth 144-58'24"
POS KI 0063	Nrth 500264.700 Code PK	East 2062812.900	Elv (Null)
NOTE TS	28-Feb-92 11:42		
POS KI 0363	Nrth 500310.100 Code OAM 8902	East 2062915.500	Elv (Null)
STN SO 0063	Nrth 500264.700 Theo ht (Null)	East 2062812.900 Code PK	Elv (Null)
BKB SO 0063-0014	Azmth 92-02'51"	H.obs 0-00'00"	
OBS F1 0063-0014	Dist (Null) Code BS	V.obs 82-15'30"	H.obs 0-00'00"
OBS MC 0063-1039	Dist 114.360 Code FTB 9102	V ang 92-23'30"	Azmth 198-26'26"
OBS MC 0063-1040	Dist 91.160 Code FTB 9101	V ang 91-24'45"	Azmth 228-41'06"
NOTE TS	28-Feb-92 11:59		
STN TP 0055	Nrth 504129.560 Theo ht (Null)	East 2070888.380 Code PK	Elv (Null)
BKB TP 0055-0054	Azmth 197-1' 01"	H.obs 0-00'00"	
OBS F1 0055-0054	Dist (Null) Code BS	V.obs 90-14'10"	H.obs 0~00'00"
OBS MC 0055-1041	Dist 264.310 Code OPB9110	V ang 90~08'10"	Azmth 191-50'21"
OBS MC 0055-1042	Dist 398.489 Code OPB9111	V ang 90~01'15"	Azmth 188-37'31"
OBS MC 0055-1043	Dist 486.679 Code OPB9108	V ang 89-58'30"	Azmth 179-14'56"
001 0005 10····	11:55 <b>457</b> 17		Avet5 1.5-2717.

OBS MC 0055-1045	Dist 514.869 Code OPE9106	V ans 37-48105"	Abmum 196-04°40°
m012 15	_0-re0-92 10_		
TN TP 0054	Noth 503415.140 Theo ht (Null)	East 2070655.630 Code PK	Elv (Null)
EKB TP 0054-0053	Azmth 17-19'01"	H.obs 0-00'00"	
OBS F1 0054-0055	Dist (Null) Code BS	V.obs 89-48`40"	H.obs 0-00`00"
OES MC 0054-1046	Dist 241.080 Code 0P89112	V ang 91-18'10"	Armth 83-43'26"
OBS MC 0054-1047	Dist 169.070 Code OPB9109	V ang 39-40105"	Azmth 8-09'36"
OBS MC 0054-1048	Dist 89.140 Code OPE9101	V ang 69-25'50"	Azmth 279-06136"
OBS MC 0054-1049	Dist 109.880	V ang 90-26125"	Azmth 240-36'41"
	Code OPB9113		
NOTE TS	Code OPB9113 28-Feb-92 12:45		
NOTE TS STN TP 0053	28-Feb-92 12:45	East 2073428.100 Code PK	Elv (Null)
	28-Feb-92 12:45 Nrth 503765.640		Elv (Null)
STN TP 0053	28-Feb-92 12:45 Nrth 503765.640 Theo ht (Null)	Code PK H.obs 0-00'00"	Elv (Null) H.obs 0-00'00"
STN TP 0053  BKB TP 0053-0052  BS F1 0053-0052	28-Feb-92 12:45  Nrth 503765.640 Theo ht (Null)  Azmth 82-58'38"  Dist (Null)	Code PK H.obs 0-00'00" V.obs 90-16'25"	
STN TP 0053  BKB TP 0053-0052  BS F1 0053-0052	28-Feb-92 12:45  Nrth 503765.640 Theo ht (Null)  Azmth 82-58'38"  Dist (Null) Code PK  Dist 778.449 Code OPB9105	Code PK H.obs 0-00'00" V.obs 90-16'25"	H.obs 0-00'00"  Azmth 276-19'23"
STN TP 0053  BKB TP 0053-0052  BS F1 0053-0052  OBS MC 0053-1050	28-Feb-92 12:45  Nrth 503765.640 Theo ht (Null)  Azmth 82-58'38"  Dist (Null) Code PK  Dist 778.449 Code OPB9105  Dist 831.069 Code OPB9103	Code PK H.obs 0-00'00" V.obs 90-16'25" V ang 92-09'30"	H.obs 0-00'00"  Azmth 276-19'23"  Azmth 284-29'18"

^{*} END OF REPORT *



#### APPENDIX B VERTICAL SURVEY FIELD NOTES



1 N 3 : Õ 4

				<u>.</u>	1					
2000	0 45	3.6	S 30 0	0 0 0		5 8 3	77	307	208	•
Um www	\$33		0 00 00	25 %		8 3 6. 8 3 6.	836	% 55 % 55 % 55 % 55 % 55 % 55 % 55 % 55	83	
1 1	900	14 26	1	11		0.080		7 6 6	9.00	
2 D 5	2 2 6	1,67	4.56 4.38	6.9- 4.85 4.85	76	7 7 7		0 0 0	2, 2, 2	
						.	99	2 o S 7. s4 0. 4.		
1		h67h8			1		8,2,86	845.04		
		9					7	to Co		
25	1 1	4.9		!!		-1	2	2 2 2		
7 3	ر او او	3.53		1 6 6	2 2	4-11	7-5	•	200	
ع ا	<u> (من ا</u>	- RU		1 10	7 6	- wo	しない		0 50	
STR SWW-PI-64G	240-16-NWS			1/-03D	150-16-Whs			7/12/2	0/6	
2	. 6	77	2 7 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	C AND S	16.2	Swv.9)	٤   ٤	1 1 1		
<u>ج</u>	. 3		र्दे	75 -	34	Sh			-	
;				, 7	و ہر 1	~ & x	% % %	L	2 5 7	
•			BC AMH	E/ev	831.2	833.31	832.86	830.5	833.37	
			4	· 0	<u> </u>	!	<u>, 00 00</u>	<u>~ ~ ~</u>		
1	3	国	6.33.53	2	7.4	5.30	500		<b>元</b> 10-11	
7	* <del>Q</del> -	US65 0	3 3		1 1	1 2) 1	. 01 01			
+	10	لسلقا		##	19.85	•	:		838.07	
2-2	2.4	<u> </u>			50			<del></del>	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	
00	62		1 d~	35	7				436 4,70	
0,	<u> </u>	}	- 6	. ! 4	4 .90	<u>v-n-</u>		7 17		
- 1/3	500		) we'll	Ç	CROUND CROUND	PVC SJ&1 Cestis		To be to be	-	
**************************************	***	<u> </u>	<b>→</b>	STA	5 80	N O		र १० : .		
		-		S	3	(6.)		6	d <	
					SWS.	YALS		) : · ·	<b>7</b>	

	11 5.21 ATPS	11 4565 1009 1009	726,77	THE W	77	36 1 SAM   1 BS   HI   FIS	54W-9-00 12 3-1 838 9-1	7 7 7 16	76	0	10 6	Str. 71-020 Gas-1			b	۲2	9	76		<i>7</i>	<b>3</b>	lo	<u>d</u>		
	ež.	نخے :	نہ		6	•	رب		. ^	~	2	- 3			1	~	0	زرن	0	0		00	<u>ۍ</u>	7	J
_	FS Elev	<u>~</u>		3.81 836.60	6.15 834.26		7.9 8315	. \n	_ ;	7	5.40 834.03		8.6 830.8		5.98 833.45				1-1	_				. lo	7228 11 1
-					39.09 6.15	39.13 5.23	-						- ;	219		5 38	4.51	457	4.125	42,63 5.795	5.87	841.55 5.78	839.69 6.131	38.16 6.45	hLh 9268
_	7	6.0	4.62		6.15	5,23	-						9.8	219	39.20 5.98	839.51 5.38	1841.09 4.51	73 842,25 457	66 843,755 4.175	2.795	5.87	5.73	839.69 6.131	838.16 6.45	1839.36 474
_	HT. FS	6.0	4.62	18.5. 3.81	4.83 839.09 6.15	7 839.13 5.23	-	28.5	5.67	1,8		5,3	9.8	8/9	5,75 839.20 5.98	5.69 839.51 538	6.09 841.09 4.51	57.2 842.25 4.57	66 843,755 4.175	169 842,63 5.795	5.87	470 841.55 5.73	839.69 6.131	838.16 6.45	hLh 9

m in he made

3/	23.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55
	7 C 2 2 % N N N % N 2 2 2 0 2 2 N N N N N N N N N N N N N
	833.38
	277 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	PSN-90-01D 170-01-01 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03-03 170-03 170-03 170-03 170-03 170-03 170-03 170-03 170-03 170-03 170-03 170-03 170-03 170-03 170-03 170-03 170-03 170-03 170-03 170-03 170-03 170-03 170-03 170-03 17
-	833.76/ 833.76/ 835.60 835.40
	2007 2007 2007
	# 7- 10/563 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-109 -F-1
-	2.58 3.58
	45.60 0 7 85.80 0 0 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
T.	1265 A

<i>i</i>	ست	ن ن								ــدد.		٠. د					•										
	n)		\	- <del>\</del>			•		57	4.7	2.7	- La - Ca - Ca - Ca - Ca - Ca - Ca - Ca - C	9	7		80:	~	9 1	5 (	) 0	- ×	- *	- 6	(S)	1	1	- ≟
	w w	•	- 0	4				17	860,5	878	87,	00	28	878	\$0 \$0	876.86	-0	0 0	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	× ×	200	- 5 - 8	2000	; ; 			<u>-</u>
			V			ار درا		7		8//	رز	116	9.5	200	<u> </u>	8.30		; L	٠ ،	7 7	2 34		- 5	<u></u>			- -
				<u>~</u> ĕ	0/2	<del></del>	:		_0	7		9					_			<u> </u>	2-7		<del></del>		:	<del>:</del>	<del></del>
			7 7 7	7	7	70		17	67/14	$-\mathbf{v}$		885	:			880.33	280.5	) •			872	8 70. C.	<u>.                                    </u>				
	•			7				2	7.00	66	•	~		-		4.7	67						<u> </u>			<u>.</u>	-
				2	<u>C:</u>	<u> </u>			9	-6		\ <u>\</u>	25		90	7	_ '\ 	) 	- 77	0			) <del></del>	-		-	- - -
				2	9	:		<u>۔</u> ج	10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to	P35.	PBB 91 04	> . 2			2-16-				)  - / c	.)/.	62		-	:			- -
		· 		hat	100	<del></del>	- :	5	د بر د بر	1	9	1	34.1.18 P.P.B.	30	Soir 5 188-		+	Carr. P.n.	2 8	ر لم	1		20	ž Ž	:	:	<del>-</del> : -
				57					72		Ber		3	100	301		 	3	2			3 8	745	_		<u> </u>	-
	Elev	8123	814.37	b5718	119/8	11818	boees	823.69	825.361	82700	19.089	820.17	833 10	332,355	833.395	832.765	*						:		i ; ;	!	
•	۲	7.3	7	-	301	1	2,20	0.60	6.96	:	- 1	را بر بر بر				1		02515			•		•	:	.: i		: !
	1/1			81.618	823.25	83422		832,32	831.27	834.90				840.035					!	:	; ;		:			:	! !
-	185	-3	44-1-1	8.9 1	89%	5.82		8.63		590	1	10 L7	,	i	6.62			65 201	'1			<u> </u>			:		
<u></u>		7.5	= PVC	120	7.9			7	- 1	*	- !		7.7	2.5. -Q	1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	+						=	:-			
ĵ	Y S	.91.03	4	د ا	d	7		7 Jar	10.79	اه_			70 - 32	2	2	22.4	10.	120	-	15	ř	2,0	7	1		1:	;
	 	P.W.91		-	111	1. d.t.	PCW-71-025	10	14	CTPKS	17.67	PON: 911-010	1, 2,	J.	1,	US65 .		1000	1	41.114	TE TO		1.00		,	-	
(e. )		F	7	~ 1		1_	खें	أستم	- 1	鱼	•					_	Į,	1	1	1			3			<del> </del>	

-3 t A

	-										
"我们					•					35	
V			!(		♥ r →	-		1 1			
		-S \frac{1}{2}\cdot \frac{1}{2} \cdot \frac{1}{2}	<u>5</u>	4 "6"					2	1611	-
1/212/	/ Mailtr	!	70110	こしのこ	PBN-89-12A		.3	857.02		855.7	زند
-		<del>:</del>			P64-87-17B	1.5 2.5 2.5 2.5 2.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3	-	,	0.695	856.305/3	^
•	135	HŦ	FS	Elec	164-91-12C	Pug			8 17	852.2	<u> </u>
PBM 85-06 COLLEGE	5.47 853.92	3.92		848.45	-	J'Mc	i	-	7.60	Ch. 458	٦
PBN-91-06-6-4			7.8	846.1	-	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	  -    -	:	2.57	Sh 458	
24d	3		5.63:	848.79	PBN-911-12D	P.9			<u>مر</u> ادا	851.2	
745		?	5.49	84843	3	pre.			3.73	- <b>ト</b> →	
PRU-91-060 GA				845.8	-	1 2 to 1	!		3.51.	853.48	A -
4. 5.55 PVC			643	847.50		-					
	1.000			69.648			<u> </u>	-	1	+	
\$	, 30.						101	V. WELL	12 5	0F	
Sur			3,73	8-78.3.			8	1811.	ママ	51.05	
270				850.53	STA		135	Hz	2	1 ELEV	
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1				850.60	10K H07	STEEL	6.54	924.75	,	9/8.2	K ~
PBP-91-02 B.C.D	. •	-			47 42	7	424	181.66	2,18	1917.51	
1. C. J.			6.3	947.6	10-16-407	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		i	7	1975.5	
			- 0	850.09		יחכ			4.30	12/10	
,	-			850.10		Steel			4.09	177.75	اے
16 dt	8.56 8	860 60		852.04	12 01	~	1/2	2/19.43	17	917.9	` .
PW 85-044 SILL			0.50	0.50 86010 of	Lo-19-401	5			1 6		******
		:	1			pyc			7.73	9/2.36	5
			,	:		54461	:	•	7 8 7	2/2 0/6	
					2	7		0/0/6		6 (	7
						<del></del>	6 <u>[</u>	16.01		_	
	-	:	:	:	K. J. J. H.	<u></u>	0.4.7	th 101 1/21 001	4101	1,700.7]/	
					* E	* Ele Has Changed	Clang	95 -	- Se. P.39	-	Eally.
		-	-						•	1	

			-	-		- -	37
. S	HI. FS.	20.09	-		5 T	Parim.	<u>ئ</u> (
0	7.65	884.61 *		_ <u>`</u>	10 11 m	Ve 11 0	ters
hangad					· ·		
-			Ø. [7	185	H11	7	C107
ひんし 本にないと	Final Cre	7	SAN 8707 A CONT.	2.1.6	895.90		31/5e8
N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Soil Bains	Election	5 6068 WAS	221S			843.66
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -			SPN-91-02 6.0		• .	43	821.6
5.1.33	3 Hor bear diagral	10.00	Puc			1.87	824.03
		\	55/4			1.78	41.408
RS RS	HF FS	E/2					
61.7	83439	870.20					1
47 9.31	1.00	833.39	STA	· · · · · · · · · · · · · · · · · · ·	hr	F	Els
18: 103	8.21	834.49	るである。	03/	822.07		MayED
Boring	10,6	824.9	5PN 8903B Cours			3.86	81821
8 23.2 8	842.5 6.96	834.56	SPN-91-030 GU	•		515	816.7
1.24	3.66	- • .	, PVC		-	271.	817.36
7		830.38	1 5/2			2.59	819.48
		•	S 1147 SEIC.			4.68	66.7.2
			S-7 H)	ßs	111	Fs	£/
	ı	<u>.</u> .	Apollo 110.	2.1	806.52		804.11
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			P-9 040-16-NAS			5.7	800.8
			//vc			13.6%	802.58
	<u>:</u>		1 S18 /			3.60	802.92
		- <del>•</del>					 _ _ _
					_		
_ _				-			

17 × 17

DEN 820 C 059 PO 14 PO 15 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 16 PO 1	13 FS 7.955 7.955 7.955 7.955 7.955 7.955 7.955 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10	898.41 898.41 898.41 898.41 898.41 8724.63 920.8 923.04 923.16 923.04 923.16	100 8100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 100 ST. 1	8.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	11. H1 17.2.28 17.4.28 92.3.79 92.3.79 12.//2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 17.2/ 1	-15:000000000000000000000000000000000000	8 5 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
74 G	3.68	87.75 87.75 87.75 87.75	* 4 6 5 6 6	11/2	10 10	1350	22 0

		<b></b>			Ž						~			デ					>			- 23				
117	1 E for	933.2	933/8	2325	735.00	932.6	932.6	1933.9	931.65	932.2	226 23		<u> </u>	/ Tou	-0	Deine E/	5		874.46							
	15	12 12	5.50	9	3118	50	5.5	у Э	28.9	7.9	1337			Fre	7	7		7	!	ls M	1 13	207	15	0	787	67/2
	H1		87.826						938.60					020	970	11/0/1	. —	11.11	,		<u></u>					
	2		4			=			26.9						<del>ー</del> ホ —			ر د د	10 N				1 49 <del>/</del>	·		
,	<u> </u>	1/8/113	<u>ح</u>	2,12	C/cur /2.		Berit	- S	63	15 Book	7				,				3	J.,				0,40	pyc	1001
	\$7.A	OPB-111-048 1501113	70 68	ora-91-07		90	01-11-500	11-16-80	76	1 60-16-5110	_ ~		PUL TO C	- 3	P. 0.1	:			10.68 14	1,18 2/10	F 1B 7/-02	50-68 1140		9		
		1 OP	-7-4	u o	<del></del>	<u>  0</u>	<u>v</u>	. :				<del>-</del>		<u> </u>			<del></del>		_i <u>\$</u>		11			18 MO.		`
	Davo	2				4/-	89356	306.25	883.88	873.8	870.1	873.2	8779	06 288	906.45	773.56	) ) ) )	: : : :	PLANT		41.	926.23	930.3	732.2	725.5	
	CEUM (	E15	0/	10°	1	FS		767	23.75.	10.7	i			961	لار. / م			:	-FUM	1 K	H1- FS 4		7.0	! :		
 	OCE	15arink	70	SUNY		HI	908.17							70787	309.35				0	1300	117	938.68	:			
_						, B.s	14.61		0.58					24.67	2.90						35		,			<del></del> -
					:	-	13/5	- 1.				Bacine	B.c.		-	7					Ą	Stal		Bornis	A	
r.				7 1	100 min 100 min	S S.	1311, 285	01.	STR	OPD-91-02 Ber	10.76.WO				47112		3.0 3.00 3.4	( ) ( ) ( ) ( ) ( )	*	•	5	10-68 HAO			OFB-91-18 Baring	

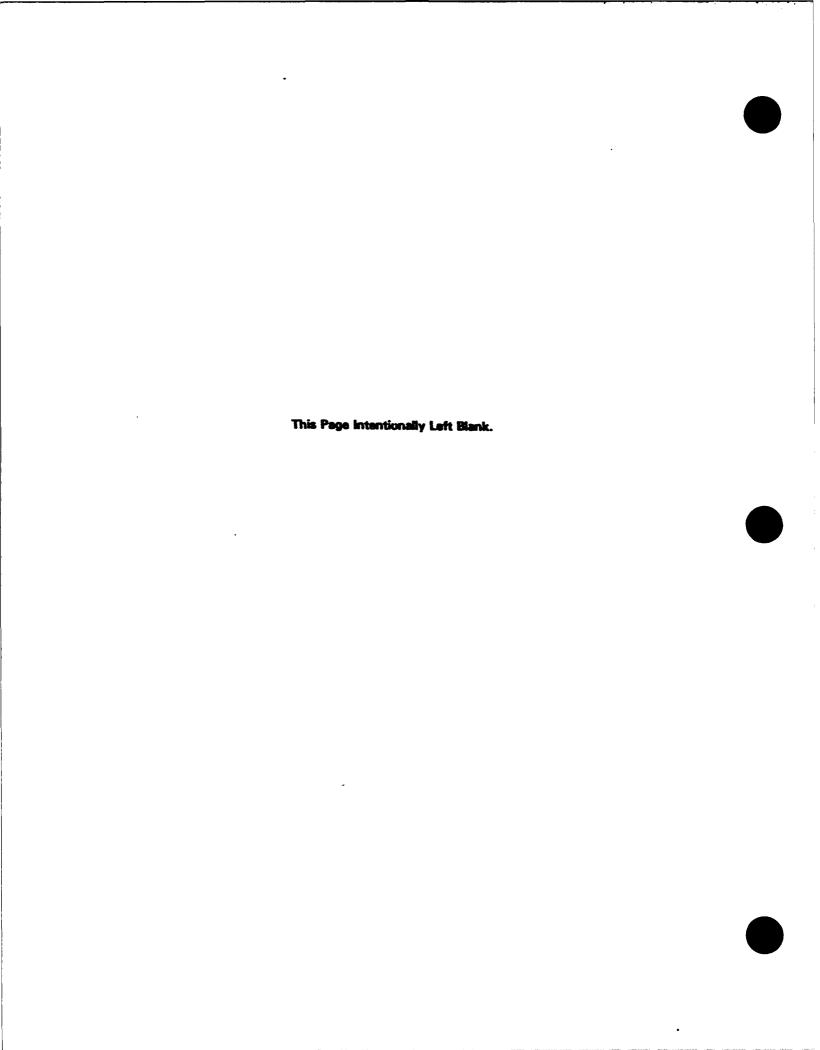
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s

	3 4 60 11 8	3000042	Tonk ing Ervi	3305%	× 7 = 3 C
117	23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13 23.13	23.25 23.25 23.25 23.25 23.25 23.25 23.25 23.25	1 Ton O oring E	27.7.78 27.7.76 27.7.70	875.1
	2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	10000000000000000000000000000000000000	374	N N M	100000
	633		070	五元	
	H 7.	- 6 - 6 - 6 - 7 - 8 - 7	1303	11/2	987/88
		26.		% C	
	78 m 800	06 Berris -10 Berris -11 Berris -01 Berris 01 Central	12/4		70 70 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1
			100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 100 th 10	FT1 87.01	
	018-91-08 77-00-01-07-07-07-07-07-07-07-07-07-07-07-07-07-	1-16-570 1-16-570 1-18-500 1-18-500	4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.7. 12B	10-16 WO
•		1 - 10 to 00 - d	~ o. v. v		4 2 K 12
	OWO ?	4/2,1 893.56 906.35 873.8 873.8 873.2	8779 68330 9845 77356	PLINT Less	926.23 932.2 932.2
	7 20 70	1.92 23.75 10.7 11.4	4 ~	OLEUM Boins E	8.4
!	Bacins 17/11/5	97788 87788 114 114	78701	300 H3	738.68
		.83. 14.61 13.8 0.58	290	3	12.45
		583 1151 514 583 1151 514 577 517 611 577 611 5015-91-02 3213 5015-91-03 13213		T.A.	<b>9</b>
		ST3 1/15/1  ST3 1/15/1  ST5-11-0  ST5-10-0	255 1/51: 05 T P C T P C T B	1 - 5	0PD 89-01 Galiss 0PB-91-01 Bothis 0PB-91-01 Bothis
		ST3 1/5/15/15/15/16/16/16/16/16/16/16/16/16/16/16/16/16/	52S		ora-

				, s. 193,		Ŷ.Z.										() (		
43		318.88034	206/			Stowned Utills			111568 084	467 87578	86768 137	8.76 809.05	5. 3.2 868.79	70	10196704	6.503 70	····	_
- -	888.52	007,88				(Bath		12668	830.61	830.78	11/2/28	87351		1251	67/2	, V		159898
- - - -	13.78	200	49.87	:		- 1		7 5	1.7.7.	7	7 6	2/2	7/36	433	185	2007	:	76.6
	STR 97	THO 79	W			, 1			77	170 51	10 % of +	1,00+	1082	1686	70 07	7/ 5/2	BGM-91/03 G.J.	1.   .   .   .   .   .   .   .   .   .
	E1-v 873.6	876.6 874.6 ~	5.875.875.975 7.385.874.475/11	874365/38		1921c	1/2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	56 molt		Elis	878.74	886.29	878.10	876.52	871.8	11768	111.17	
	, •	7.3	5.875	7495		(et - /	;	12/21	- !	5	171	2.36	10,23	5.61	- 6	11.0		·
:	HF	· ·	1			Rucl	720		,	HF	17788	288.33	882.13	879.87	· :	877.85	10.688	986.55
- 1	BJ	3	-  -		1					6.5	6.17	1	,			5.7.	4.95	<b>^ 0:</b> -
!	A	3 Berry	10 Cars	PVC								73 7	7.7	75.		240	76	
مد	A 2	OAR-71-02 Backs	1/ H. W. 190		100		7			S	THOR	TP	1.20	Tr 75	RPH-91.0		76	

		Ŋ	45			λo	);	しつ	SS	ارغ	55	8		يا ـ	\$2	12	<i>&gt;</i>						-				
45	1 2.1 w	875.56	87/03			873.8	376.01	8/8 15	375.055	3/22/6				872,065	875.985	87475	11/128										
-	<u>:)</u>	3.001	6.1365			<u>دن</u>	1.5. M	7.07	हें जि	1:1.5	409	N.	151	757	17	`e :: :;	1777		1,517								-
	1.1.	1.		801/2		- <u>-</u>	-	680.07	259.188		885.035	2.6188	879.59	877.615		878985											
-	<u>()</u>	1.812	- \{\ - \l	) ) ) ^_				292	6.60		17.17	9/1/2	2.2	はつ		2/7			- 7								
- -		16.3	() ()	2 5 1		101	Pvc	7-17-0	101	707	701	106	10/1	ر ج			- 7.5		17 22	1			:				
- -	5		1	10.00	2	36M 91	; , <b>4</b>	;	4/2	2		10	1	7	; ;	<i>d1.</i>	F1 A 89.0	· · · · · · · · · · · · · · · · · · ·								<del></del>	_
		864795	\$65.76	386.7415	867305	867915	61.898	544.898	2/17/5	273.16	874.26	24.528	15.29	8hH8	···· -		· . <del></del>		875.985	10768	274.67	(0.0/	80118	4.4.4	19.9/8	876.73	
	<u>``</u>	3.8.8		8 06%	4.77\$ 8	8 \$18.17	7777	489	2.86 871715	4.175 873 16	2-11-8	420 8	6.16 875.29	475 8		107.81	• .	!		2007				1	,	20.00	
	1/IT	870.945	,	872.075		873365	1	874575	877.335	29:08		34.188							878.7%	18.618		<u>)</u> ; ,	277.56		:		
 	0.5	Y		5.75	SIL	5.15		- 1			-	598	3.94		3.4	107.77	- 4- 		272		;		277				
į	-	911			72	73		176	2	-	82-	27	86	1127	· \$100	V)	•		10.	166	18.5	.007	٦ .	0-	3 2	U	•
:; se,	121	1,170,9	ンであるので	100	70	TP	7085	40	10	6 (0/1)	C3 01	2.7.5	41.140	SEL LINI	/ , , , , ; ;	ار دار. ر			40	9	4.		7	BGM-9			. :

#### APPENDIX C REPORT OF BORING AND WELL ELEVATIONS



### DEEP SOIL BORINGS TASK ORDER MEMORANDUM 004 BADGER ARMY AMMUNITION PLANT BARABOO, WISCONSIN

PROPELLANT	GROUND	OLD ACID	GROUND
<b>BURNING GROUND</b>	<b>ELEVATION</b>	PLANT	<b>ELEVATION</b>
PBB-91-01	875.2	OAB-91-01	873.6
PBB-91-02	874.0	OAB-91-02	<b>876.6</b>
PBB-91-03	868.9	OAB-91-03	874.6
PBB-91-04	872.7		
PBB-91-05	880.6	OLD FUEL	GROUND
PBB-91-06	882.1	TANK	ELEVATION
PBB-91-07	878.4		
-		FTB-91-01	874.2
DETERRENT	GROUND	FTB-91-02	872.4
BURNING GROUND	ELEVATION		
		FINAL CREEK	GROUND
DBB-91-01	899.7		<b>ELEVATION</b>
DBB-91-02	898.4		
DBB-91-03	898.4	SPB-91-01	824.9
OLEUM PLANT	GROUND		
AND POND	ELEVATION		
OPB-91-01	932.2		
OPB-91-02	873.8		
OPB-91-03	870.1		
OPB-91-04	873.2		
OPB-91-05	877.9		
OPB-91-08	932.6		
OPB-91-07	932.5		
OPB-91-08	933.2		
OPB-91-09	932.2		
OPB-91-10	932.6		
OPB-91-11	932.9		
OPB-91-12	925.5		
OPB-91-13	930.3		

## MONITORING WELLS TASK ORDER MEMORANDUM 004 BADGER ARMY AMMUNITION PLANT BARABOO, WISCONSIN

PROPELLANT BURNING GROUND	GROUND	TOP PVC	TOP STEEL CASE
PBP-91-01B,C,D	848.3	<i>8</i> 50.53	850.60
PBP-91-02B,C,D	847.6	<i>8</i> 50.09	<b>85</b> 0.10
PBN-91-06C	846.1	848.29	848.43
PBN-91-06D	845.8	847.50	847.69
PBN-91-12C	852.2	854.42	854.49
PBN-91-12D	851.2	853.29	<b>85</b> 3.48
BACKGROUND			
WELLS	GROUND	TOP PVC	TOP STEEL CASE
BGM-91-01	873.8	876.01	876.15
BGM-91-02	874.4	876.61	876.73
BGM-91-03	961.1	963.56	963.68
LANDFILL		T00 81/0	TOD OTTEL 040E
NUMBER 1	GROUND	TOP PVC	TOP STEEL CASE
LOM-91-01	915.5	917.51	917.72
LOM-91-02	910.3	912.30	912.41
ROCKET PASTE AREA	GROUND	TOP PVC	TOP STEEL CASE
		070.00	07444
RPM-91-01	871.8	873.98	874.14
OLD ACID AREA	GROUND	TOP PVC	TOP STEEL CASE
ATT VAIR VIEW	31.00110		
OAM-91-01	875.1	877.04	877.17

# MONITORING WELLS TASK ORDER MEMORANDUM 004 BADGER ARMY AMMUNITION PLANT BARABOO, WISCONSIN

OFF-POST (SOUTH)	GROUND	TOP PVC	TOP STEEL CASE
SWN-91-01B	830.8	833.25	833.45
SWN-91-01C	831.0	834.03	834.12
SWN-91-01D	831.5	833.57	833.76
SWN-91-02C	834.4	836.39	83£ <i>3</i> 0
SWN-91-02D	834.5	836.61	836.76
SWN-91-03B	834.7	836.63	836.70
SWN-91-03C	834.6	836.73	836.74
SWN-91-03D	835.0	837.09	837.09
SWN-91-03E	835.0	837.38	837.56
SWN-91-04C	832.8	834.87	835.07
SWN-91-04D	833.5	835.28	835.40
SWN-91-05B	830.5	832.67	832.80
SWN-91-05C	830.8	832.86	832.94
SWN-91-05D	831.2	833.31	833.48
PBN-91-01C .	828.0	830.04	830.17
PBN-91-02B	819.0	821.20	821.36
PBN-91-02C	819.9	821.92	822.09
PBN-91-03B	812.7	814.72	814.89
PBN-91-03C	812.3	814.37	814.50
EAST PERIMETER	GROUND	TOP PVC	TOP STEEL CASE
ELM-91-01	920.8	923.04	923.16
ELN-91-07A	895.3	897.65	897.73
ELN-91-07B	893.9	<b>995.88</b>	895.99
SETTLING PONDS	GROUND	TOP PVC	TOP STEEL CASE
SPN-91-02D	821.6	824.03	824.12
SPN-91-03D	816.7	819. <b>36</b>	819.48
SPN-91-04D	800.8	802.58	802.92

This Page Intentionally Left Blank.

## APPENDIX D

COMPUTER INPUT - OUTPUT FILES UTM CONVERSION FILES

This Page Intentionally Left Blank.

## FINAL REPORT FOR

# SURVEYING SERVICES TASK ORDER MEMORANDUM 004 MONITORING WELL AND SOIL BORING LOCATIONS BADGER ARMY AMMUNITION PLANT SAUK COUNTY WISCONSIN ABB ENVIORMENTAL SERVICES, INC.

### File name BAAPBORE.PAC

PT#	SPCNORT	TH SPCEA	ST BORING NAME
1025	500961.270	2074498,980	DBB-91-02
1026	501069.935	2074286.302	DBB-91-03
1027	500805.557		
1028	485899.663	2064735.354	SPB-91-01
1029	490581.385	2066729.411	PBB-91-01
1030	490382.505	2066648.942	PBB-91-02
1031	490380.681	2066468.877	PBB-91-03
1032	491614.627	2066825.144	PBB-91-04
1033	491661.611	2066986.009	PBB-91-05
1034	491938.716	2067019.311	PBB-91-06
	491827.973		
1036	500760.527	2062693.406	
1037	500739.035		
	- · · · · <del></del> · · · ·	2062891.258	
1039	500156.307		
1040			
1041	503870.874	2070834.153	OPB-91-10
1042			
	503642.923		
1044		2071025.803	
1045	503690.512	2071156.591	
1046	503441.488	2070905.203	
1047			
1048	503429.253		OPB-91-01
	503361.220		
		2072654.936	
1051			<b></b>
	503867.911		<del></del>
1053	504084.610	2072484.591	OPB-91-02

## FINAL REPORT FOR

# SURVEYING SERVICES TASK ORDER MEMORANDUM 004 AITORING WELL AND SOIL BORING LOCATIONS BADGER ARMY AMMUNITION PLANT SAUK COUNTY WISCONSIN ABB ENVIORMENTAL SERVICES, INC.

### File name BAAPWELL.UTM

	PT#	UTM X	UTM Y
	364	280190.8089	4805930.5975
	365	280393.1803	4805597.9546
	366	280400.7882	4805585.0655
	367	280273.9626	4803202.5298
	368	275706.7004	4804534.1244
	369	275875.1268	4806570.5201
	370	275858.3083	4806238.1932
751-92	371	277011.8472	4801672.8951
	372	277078.1326	4801647.4768
	373	277083.2667	4801609.2761
	374	277075.8658	4801610.2543
	375	277056.1078	4801358.8392
	376	277053.6778	4801350.6192
	377	276636.2593	4800901.9472
	378	276878.8333	4800946.8280
	379	277230.2389	4800868.3892
	380	277494.6528	4803276.6484
	381	277560.6761	4803490.3386
	382	276233.0362	4805763.3833
	383	277044.9667	4799242.3841
	384	277031.4510	4799242.9020
	385	276697.2102	4799255.1066
	386	276683.6988	4799254 0072
	387	276676.4504	4799253.3129
	388	278145.7420	4799084.6608
	389	278150.3845	4799075.3122
	390	278158.1554	4799063.0984
	<b>391</b>	277818.0579	4799219.6000
	392	277804.6152	4799220.5199
	393	277482.8014	4799229.8185
	394	277493.2336	4799229.9684

## File name BAAPWELL.UTM

PT#	UTM X	UTM Y
		.=
395	277506.8990	4799229.2187
3 <del>96</del>	277522.8761	4799228.4304
397	278169.1700	4798525.8455
398	278166.6995	4798541.2581
399	277898.2367	4798200.9090
400	277909.1368	4798197.8496
401	277906.2314	4798190.4024
402	277767.2698	4797805.5211
403	277774.6355	4797803.9475
404	277774.6604	4797799.7432
405	278165.8816	4797341.6980
406	278145.3133	4797341.6185

### FINAL REPORT FOR

## SURVEYING SERVICES TASK ORDER MEMORANDUM 004 MONITORING WELL AND SOIL BORING LOCATIONS BADGER ARMY AMMUNITION PLANT SAUK COUNTY WISCONSIN ABB ENVIORMENTAL SERVICES, INC.

### File name BAAPWELL.PAC

PT# SPCNORTH SPCEAST BORING NAME

364 501633.875 2076243.121 ELM-91-10 365 500567.393 2076945.706 ELN-91-07-A 366 500526.042 2076972.164 ELN-91-07-B 367 492701.473 2076837.451 RPM-91-01 368 496527.572 2061709.772 BGM-91-03 369 503222.285 2062021.624 BGM-91-01 370 502131.008 2062005.703 BGM-91-02 371 487302.969 2066325.149 PBP-91-02-BCD 372 487227.467 2066545.416 PBP-91-01-BCD 373 487102.858 2066566.748 PBN-91-06-C 374 487105.192 2066542.374 PBN-91-06-D 375 486278.774 2066507.250 PBN-91-12-C 376 486251.544 2066500.254 PBN-91-12-D 377 484731.682 2065184.930 SPN-91-02-D 378 484907.386 2065974.748 SPN-91-03-D 379 484691.702 2067135.832 SPN-91-04-D 380 492616.683 2067718.600 LOM-91-01 381 493324.904 2067909.813 LOM-91-02 382 500618.892 2063289.990 OAM-91-01 383 479340.138 2066720.190 SWN-91-02D 384 479340.243 2066675.827 SWN-91-02C 385 479340.858 2065578.814 SWN-91-01D 386 479335.662 2065534.656 SWN-91-01C 387 479332.532 2065510.979 SWN-91-01B 388 478952,873 2070346,914 SWN-91-05B 389 478922.777 2070363.233 SWN-91-05C 390 478883.658 2070390.144 SWN-91-05D 391 479356.563 2069256,922 SWN-91-04C 392 479357.994 2069212.751 SWN-91-04D 393 479350.548 2068156.809 SWN-91-03C 394 479352.269 2068190.986 SWN-91-03B

### File name BAAPWELL.PAC

### PT# SPCNORTH SPCEAST BORING NAME

395 479351.422 2068235.867 SWN-91-03D 396 479350.721 2068288.330 SWN-91-03E 397 477123.935 2070489.558 PBN-91-01C 398 477174.164 2070479.644 PBM-90-01D 399 476026.926 2069639.775 PBN-91-02C 400 476018.182 2069675.864 PBN-91-02B 401 475993.429 2069667.218 PBM-90-02D 402 474715.484 2069257.076 PBN-91-03C 403 474711.194 2069281.405 PBN-91-03B 404 474697.416 2069281.982 PBM-90-03D 405 473242.118 2070618.302 PBN-90-04D 406 473239.434 2070550.892 PBN-90-04B

## FINAL REPORT FOR

## SURVEYING SERVICES

## TASK ORDER MEMORANDUM 004 MONITORING WELL AND SOIL BORING LOCATIONS BADGER ARMY AMMUNITION PLANT SAUK COUNTY WISCONSIN ABB ENVIORMENTAL SERVICES, INC.

### File name BAAPBORE.LAT

PT#	LATITUDE	LONGITUDE
1025	43° 22′ 27.013803"	89° 43′ 11.297380"
1026	43° 22′ 28.094162"	89° 43′ 14.172050"
1027	43° 22′ 25.476271"	89° 43′ 11.501 <i>6</i> 95"
1028	43° 19′ 58.548728"	89° 45′ 24.089321"
1029	43° 20′ 44.733203"	89° 44′ 56.918050"
1030	43° 20′ 42.771195"	89° 44′ 58.015157"
1031	43° 20′ 42.758516"	89° 45′ 0.452103"
1032	43° 20′ 54.935997"	89° 44′ 55.580327"
1033	43° 20′ 55.395279"	89° 44′ 53.401254"
1034	43° 20′ 58.131334"	89° 44′ 52.939210"
1035	43° 20′ 57.039898"	89° 44′ 54.035297"
1036	43° 22′ 25.391785"	89° 45′ 51.149455"
1037	43° 22′ 25.173307"	89° 45′ 48.151603"
1038	43° 22′ 26.988797"	89° 45′ 48.4643 <b>79</b> "
1039	43° 22′ 19.421416"	89° 45′ 50.044 <b>075</b> "
1040	43° 22′ 19.898680"	89° 45′ 50.479627"
1041	43° 22′ 55.871311"	89° 44′ 0.792244"
1042	43° 22′ 54.535135"	89° 44′ 0.873063"
1043	43° 22′ 53.617871"	89° 43′ 59.98141 <b>9</b> "
1044	43° 22′ 53.799252"	89° 43′ 58.206089"
1045	43° 22′ 54.079633"	89° 43′ 56.433787"
1046	43° 22′ 51.627920"	89° 43′ 59.848717"
1047	43° 22′ 53.027479"	89° 44′ 2.761796"
1048	43, 22' 51.517397"	89° 44′ 4.285140"
1049	43° 22′ 50.845661"	89° 44′ 4.392692"
1050	43° 22′ 55.619918"	89° 43′ 36.136971"
1051	43° 22′ 56.826809"	89° 43′ 36.549513"
1052	43° 22′ 55.786536"	89° 43′ 37.264567"
1053	43° 22′ 57.929735"	89° 43′ 38.433367"

## FINAL REPORT FOR

## SURVEYING SERVICES

## TASK ORDER MEMORANDUM 004 MONITORING WELL AND SOIL BORING LOCATIONS

BADGER ARMY AMMUNITION PLANT SAUK COUNTY WISCONSIN

ABB ENVIORMENTAL SERVICES, INC.

### File name BAAPWELL.LAT

PT# LATITUDE	LONGITUDE
364 43° 22′ 33.598720"	89° 42′ 47.650894"
365 43° 22′ 23.040846"	89° 42′ 38.187925"
366 43° 22′ 22.631505"	89° 42′ 37.831641"
367 43° 21′ 5.350812"	85° 42′ 40.022595"
368 43° 21′ 43.608993"	89° 46′ 4.626993"
369 43° 22′ 49.725864"	89° 46′ 0.151890"
370 43° 22′ 38.947484"	89° 46′ 0.408808"
371 43° 20′ 12.363249"	89° 45′ 2.521740"
372 43° 20′ 11.610977"	89° 44′ 59.544281"
373 43° 20′ 10.379542"	89° 44′ 59.260689"
374 43° 20′ 10.403318"	89° 44′ 59.590406"
375 43° 20′ 2.241564"	89° 45′ 0.099201"
376 43° 20′ 1.972812"	89° 45′ 0.194967"
377 43° 19′ 46.995197"	89° 45′ 18.052735"
378 43° 19′ 48.711624"	89° 45′ 7.359549"
379 43° 19′ 46.546841"	89° 44′ 51.658971"
380 43° 21′ 4.806834"	89° 44′ 43.446852"
381 43° 21′ 11.796363"	89° 44′ 40.829501"
382 43° 22′ 23.976078"	89° 45′ 43.077398"
383 43° 18′ 53.700016"	89° 44′ 57.500211"
384 43° 18′ 53.702370"	89° 44′ 58.100285"
385 43° 18′ 53.740731"	89° 45′ 12.939070"
386 43° 18′ 53.690697"	89° 45′ 13.536584"
387 43° 18′ 53.660471"	89° 45′ 13.856977"
388 43° 18′ 49.764243"	89° 44′ 8.459756"
389 43° 18′ 49.466463"	89° 44′ 8.240311"
390 43° 18′ 49.079228"	89° 44′ 7.877984"
391 43° 18′ 53.785491"	89° 44′ 23.186283"
392 43° 18′ 53.800986"	89° 44′ 23.783705"
393 43° 18′ 53.759719"	89° 44′ 38.067276"
394 43° 18′ 53.775681"	89° 44′ 37.604907"

## File name BAAPWELL.LAT

PT	# L.	ATI	TUDE	LONGITUDE
395	43°	18	53.765953"	89° 44′ 36.997857"
396	43°	18	53.757435"	89° 44′ 36.288242"
397	43°	18	31.694712"	
398	43°	18	32.191152"	89° 44′ 6.740810"
399	43°	18′	20.885659"	89° 44′ 18.148908"
400	43°	18'	20.798173"	89° 44′ 17.661193"
401	43°	18'	20.553947"	89° 44′ 17.779177"
402	43°	18'	7.943899"	89° 44′ 23.380070"
403	43°	18'	7.900775"	89° 44′ 23.051233"
404	43°	18'	7.764667"	89° 44′ 23.044011"
405	43°	17'	53.348561"	89° 44′ 5.034610"
406	43°	17'	53.324168"	89° 44′ 5.946299

## FINAL REPORT FOR

# SURVEYING SERVICES TASK ORDER MEMORANDUM 004 MONITORING WELL AND SOIL BORING LOCATIONS BADGER ARMY AMMUNITION PLANT SAUK COUNTY WISCONSIN ABB ENVIORMENTAL SERVICES, INC.

## File name BAAPBORE.UTM

PT#	UTM X	UTM Y
1025	279652.0224	4805744.7910
1026	279588.4143	4805780.2316
1027	279645.8766	4805697.5075
1028	276512.0765	4801262.7447
1029	277170.9505	4802667.3599
1030	277144.2528	4802607.6454
1031	277089.3691	4802609.0632
1032	277211.4441	4802981.1272
1033	277260.9727	4802993.6795
1034	277274.1567	4803077.7451
1035	277248.3692	4803044.8870
1036	276052.8161	4805813.0798
1037	276120.0614	4805804.1029
1038	276114.8788	4805860.3450
1039	276071.5869	4805628.0661
1040	276062.2724	4805643.1149
1041	278567.3118	4806671.4921
1042	278564.1413	4806630.3300
1043	278583.2777	4806601.3740
1044	278623.4109	4806605.6598
1045	278663.5761	4806613.0023
1046	278584.2508	4806539.8851
1047	278520.1142	4806585.2121
1048	278484.3064	4806539.7498
1049	278481.2063	4806519.1058
1050	279121.8632	4806645.5646
1051	279113.7980	4806683.1014
1052	279096.6576	4806651.5349
1053	279072.5201	4806718.5142

This Page Intentionally Left Blank.

## 1990 OFF-POST MONITORING WELLS AND HIGH CAPACITY WELLS SURVEY DATA

W0039213F.APP 6853-12

This Page Intentionally Left Blank.

FINAL REPORT
FOR
SURVEYING SERVICES
TASK ORDER MEMORANDUM 003
VERTICAL ELEVATION DETERMINATION OF WELLS
AND BENCHMARKS
ADJACENT TO
BADGER ARMY AMMUNITION PLANT
SAUK COUNTY WISCONSIN
USATHAMA - E.C. JORDAN CO.

The services required for this project includes the vertical locations for various high capacity irrigation wells and other types of wells located adjacent to Badger Army Ammunition Plant. In addition temporary benchmarks were established at specified points adjacent to the Wisconsin River. The vertical locations are based on Mean Sea Level (MSL) from the 1929 General Adjustment.

#### VERTICAL FIELD SURVEY

The vertical location has also been taken from the existing U.S.G.S. control point F-109. Having an elevation of 832.76. This was the control that was also utilized for the vertical control run into the ammunition plant on previous surveys. The equipment that was used for the vertical survey was a Pentax automatic level. A copy of the field notes for the vertical survey is attached as Appendix A.

### OFFICE COMPUTATIONS - REPORT GENERATION

The field data obtained was reviewed for closure and adjustment. The loops run were found to fall within specified third order. It is noted that the elevation we had determined in looping through U.S.G.S. control point G-109 was different than the published elevation. However Wisconsin Department of Transportation vertical control work performed in this area concurred with our elevation.

### SURVEYOR'S CERTIFICATE

I, John L. Brey, Registered Land Surveyor, hereby certify that the above described location survey and the enclosed documentation are correct to the best of my knowledge and belief.

Dated this 15th day of October, 1990.

John L. Brey

Vierbicher Associates, Inc.

400 Viking Drive

Reedsburg, WI 53959



## FINAL REPORT

#### FOR

## SURVEYING SERVICES TASK ORDER MEMORANDUM 003

## VERTICAL ELEVATION DETERMINATION OF WELLS

## AND BENCHMARKS ADJACENT TO

## BADGER ARMY AMMUNITION PLANT SAUK COUNTY WISCONSIN

USATHAMA - E.C. JORDAN CO.

WELL	1A	828.05	WELL 8	850.85
WELL		823.91		
			WELL 9A	754.35
WELL	22	825.25	WELL 9B	759.97
WELL		832.18		
_		823.03	WELL 10	820.44
WELL	20	623.03	WEDD IO	020
		014 00	WELL 11	785.87
WELL		814.20	MERL II	765.67
WELL	3B	836.78		
WELL	3C	832.98	WELL 12	815.54
WELL	4	826.43	WELL 14	775.85
WELL	5A	758.61	WELL 15	755.49
WELL	5B	828.03		
******	•		WELL 16A	835.00
			WELL 16B	837.27
			WELL 16C	836.27
	<b>C3</b>	818.72	W222 100	
WELL		<b></b>	WELL 17	866.31
WELL	6B	780.98	METIT I	866.31
	_			762 70
Well		748.60	WELL 18A	753.78
WELL	7B	746.26	WELL 18B	754.66
WELL	7C	746.16	WELL 18C	761.00
WELL	7D	746.02		
WELL	7E	748.51	TBM 1	738.04
WELL	. —	748.47	TBM 2	780.71
WELL		748.34	TBM 3	736.44
~200	, 0	, 19191	TBM 4	762.91
			TBM 5	753.34
			TBM 6	730.81
			IDM 0	, 30.01

BENCHMARK @ FARM ON "Z" 835.88

## FINAL REPORT

#### FOR

### SURVEYING SERVICES

### TASK ORDER MEMORANDUM 003

### VERTICAL ELEVATION DETERMINATION OF WELLS

AND BENCHMARKS
ADJACENT TO

BADGER ARMY AMMUNITION PLANT

SAUK COUNTY WISCONSIN

USATHAMA - E.C. JORDAN CO.

WELL NUMBER	GROUND SURFACE	TOP WELL RISER	TOP PROTECTIVE CASING
PBM-90-01D	829.0	831.53	831.31
PBM-90-02D	818.7	821.32	821.02
PBM-90-03D	812.9	814.79	814.56
PBN-90-04B	828.0	830.00	830.00
PBN-90-04D	828.0	829.95	829.71

## ELEVATIONS AT DISCHARGE FOR INTERIM REMEDIAL MEASURES 10" EFFLUENT LINE

WATER ELEVATION 10/01/90	772.86
0.00 AT STAFF GAUGE	769.56

BENCHMARK NORTH RIM MANHOLE 795.25

## APPENDIX A

This Page Intentionally Left Blank.

• VERLICAL CONTROL MONITORING FOR G.C. SORDAN 15 1990 : 184 dage R 3 10 Clouded į ; ; ! • 1 : i : ; ! . ---; / 14 1 1 1 1 4 V のはず とうかみなが

8	3.75 < 44	S 40	1/7 55 7	4 6 # E			2 6 8 805,735			
	2			N. to P COLVERT FE +	0	7 mg 1 (1/1.13	:		S.	
E/E 1.	817.14	813.36 S-W COR	813.15	814.678	813.135	820.415 820.58	824.43	814.475	876.595 835.785	831 40 Op. 15.8
HI FS EEV.	88.05	69.7	4.30	5.14	6.68	1.80	4.43	837.615	837,445 1.63 (837,45 1.63 (837,45	834.01 5.55
88	6109 FETT BWG	Well 3A	10th 6.07 8	TBM A	TP # 2 9,08 828. 21.8	+P #2 8.45 828.865 8.27 828.855	We I DA	TBM#A 12.94 18	11.47 8 11.47 8	+8#4 9.11 E

5	DEN3ER Rd  II NOATH GEWJER Rd	South Derzer 20				
+P#S 4.27 83.86 5.41 833.59 4.10 832.86 5.34 833.76	+046 8.05 838.88 7.03 830.83 M. CUIV. 5.93 838.88 4.91 832.95 NEIL 36 3.0 835.88	WELL 3C 6.02 841.11 3.79 835.09 +P# 6.02 841.11 3.79 835.09 5.76 841.11 3.54 835.34	W IN	4.02 839.48 6.20 8 3.74 839.48 5.98	1 + P # 10 3.49 834 13 6.55 832.69 3.2.3.856.16 6.55 832.93	4p # 11 7.45 838.815 4.78 831.355 8.41 838.835 3.77 832.355

								·				
			<del></del>	. 1	<u> </u>	<del></del>					<del>-</del>	
	7				<del></del>			<del></del>	· · · · · · · · · · · · · · · · ·	± 10	<del>-</del>	
	:		:							Ú =		
	:								- ·· <del>···</del>	Eld	<u>45</u>	
	٠,					· · · · · · · · · · · · · · · · · · ·			<del></del>	<u>u</u> u		Ξ.
	1 .=.1 /1.			1						U 4 0	Tir	
14	<u>از</u> ا	· :	<u>:</u>		<del></del>	:				0 t	<u>                                      </u>	ع
3	1	<del>!-</del> -	<del></del>			<del></del>		·		<del>3</del>		
	-				1					X 2 0		
		•	·		<u> </u>		· ·				· 	
					<u>i</u>					1 2 X 2 II	<del></del>	
	<u>.</u>				<u>\</u>					ع لَـ	,	
	į		·	<u> </u>	<u> </u>	<u>;</u> <u>:</u>	<u> </u>	<u> </u>		×		
· 20	- :	:	· ;	1 1			<del></del>	- <u></u>				
A STATE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PAR			:			11	-	•				
	<u>:</u>	8	3	200	<u> </u>	Ä	1,15	8 8 8	- 13 <del>2</del>	3.50	- <del>X</del>	
Separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the separate state of the	į	833	8	354.18	), 9 ce	8.0.1	3.7.2	83.7.583 683.7.833	829,365	830.635	818,325	
			9 .:			20 00		٩	∞ ∞ ∞ ∞	<u>6</u> 0	•	
TOTAL STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE	:	7.03		90.5 190		2 S S S S S S S S S S S S S S S S S S S	5,57	5.51	68	4.0.7 6.56	.37	
2000			<del></del>				<u>ড জ</u> ত হ'ড	<u>N</u> N	10 /0' W W	7 3	s	
	83882	:		336.84 339.85	3	36.458	821.92 23.03.92 23.03.03.03.03.03.03.03.03.03.03.03.03.03	الم الم	الو في	0. P	839.335 6.39	
	100	<u>'</u>		25 62	<u> </u>		\$ 100 m	8 83			:	
			Sh [ 10 ] -1,66	4,06		36.458 37.42 51.49E	41.46 252.08 3.62 23.08	5.01 832.595	+P#16 5.39 834.695 3,23	TBMB +P#171.09	0.40	
		0	157		<del></del>	2	2	N.	2	100		
	ì	BME 109	1	+P11 13.	4 11 m	#	+ 7 H	2 14 1	#4	TBMB+		
		2	15	171	1 1 11	171	1+1	1 1	+	+ +		

6.58 6.4 6.59 6.59 6.50 6.50 6.50 6.50 6.50	10.58 10.95 6.39 6.01 5.63 1.51 1.51 5.63 5.08 6.30 6.30 6.30		1777.98 1777.61	776.47	705.70	4.80 S.19	180.87	775.13 13 th St.	773.63, HYG. 688.20	774.09	772.39 B C LAB 146
188.86 183.81 183.81 180.81 180.81 176.81 178.87 178.91	5.38 1.38 1.38 1.38 5.01 5.01 5.34		10.58			9.44 69.5			3.89 6,58	5.08	30.30
	4.83 5.20 5.13 7.50 7.50 5.01 5.34 6.13 6.13	788.56	182.81	ोखा.अ जि.अ	780.81	782.38 782.38				779.10	178.97

BASE SUNSOIT CIE

٠

500+3

10 x C

• :

1

4

3.1

73

S

. . .

-,

#P##32 5.12 780.18 3.31 773.00  #P##33 44.02 715.81 8.25 771.87  #P##34 1.08 768.01 89.5 771.87  #P##34 1.08 768.01 89.5 771.87  #P##34 1.08 768.01 89.5 771.85  #P##34 1.08 768.01 91.28  #P##34 2.03 781.86  #P##36 5.01 781.56 6.88 753.55  #P##36 5.01 781.56 6.88 753.55  #P##36 5.01 781.56 6.88 753.55  #P##37 5.01 781.56 6.88 753.55  #P##37 5.01 781.56 6.88 753.55  #P##37 5.01 781.56 6.88 753.55  #P##37 5.01 781.56 6.88 753.55  #P##37 5.01 781.56 6.88 753.55  #P##37 5.01 781.56 6.88 753.55  #P##37 5.01 781.56 6.88 753.55  #P##37 5.01 781.56 6.88 753.55  #P##37 5.01 781.56 6.88 753.55  #P##37 5.01 781.56 6.88 753.55  #P##37 5.01 781.56 6.88 753.55  #P##37 5.01 781.56 6.88 753.55  #P### 3 5.01 781.56 6.88 753.55  #P### 3 5.01 781.56 6.88 753.55  #P### 3 5.01 781.56  #P### 3 5.01 781.56  #P### 3 5.01 781.56  #P### 3 5.01 781.56  #P### 3 5.01 781.56  #P### 3 5.01 781.56  #P### 3 5.01 781.56  #P### 3 5.01 781.56  #P### 3 5.01 781.56  #P### 3 5.01 781.56  #P### 3 5.01 781.56  #P### 3 5.01 781.56  #P### 3 5.01 781.56  #P### 3 5.01 781.56  #P### 3 5.01 781.56  #P### 3 5.01 781.56  #P### 3 5.01 781.56  #P### 3 5.01 781.56  #P### 3 5.01 781.56  #P### 3 5.01 781.56  #P### 3 5.01 781.56  #P### 3 5.01 781.56  #P### 3 5.01 781.56  #P### 3 5.01 781.56  #P### 3 5.01 781.56  #P### 3 5.01 781.56  #P### 3 5.01 781.56  #P### 3 5.01 781.56  #P### 3 5.01 781.56  #P### 3 5.01 781.56  #P### 3 5.01 781.56  #P### 3 5.01 781.56  #P### 3 5.01 781.56  #P### 3 5.01 781.56  #P#### 3 5.01 781.56  #P#### 3 5.01 781.56  #P#### 3 5.01 781.56  #P#### 3 5.01 781.56  #P#### 3 5.01 781.56  #P#### 3 5.01 781.56  #P#### 3 5.01 781.56  #P#### 3 5.01 781.56  #P#### 3 5.01 781.56  #P###### 3 5.01 781.66  #P#################################									<del></del>	<u>-11.41127</u> - 11.
175.89 8.36 171.89 175.89 8.36 171.89 175.89 8.38 171.89 175.89 8.38 171.89 176.10 4.68 176.33 176.10 776.50 177.36 6.88 752.55 177.36 6.88 752.55 177.36 6.88 752.55 177.36 6.98 752.55 177.36 6.98 752.55 177.36 6.98 752.55 177.36 6.98 752.55 177.36 6.98 752.55 177.36 6.98 752.55 177.36 6.98 752.55 177.36 6.98 752.55 177.88 18 5.30 753.96 177.88 18 5.30 753.96 177.88 18 5.30 753.96 177.88 18 5.30 753.96 177.88 18 5.30 753.96 177.88 18 5.30 753.96		Ti		<u> </u>				·	······································	
178.81 8.25 771.87 175.81 8.25 771.87 175.81 8.25 771.87 175.81 8.25 771.87 175.81 8.25 771.87 175.81 8.25 771.87 176.01 9.35 771.85 176.01 9.35 771.85 177.56 6.88 752.55 177.56 6.88 752.55 177.56 6.88 752.55 177.56 6.88 752.55 177.56 6.88 752.55 177.56 6.88 752.55 177.56 6.88 752.55 177.56 6.88 752.55 177.56 6.88 752.55 177.56 6.88 752.55 177.56 6.88 752.55 177.56 6.88 752.55 177.56 6.88 752.55 177.56 6.88 752.55 177.56 6.88 752.55 177.56 6.88 752.55 177.56 6.88 752.55 177.56 6.88 752.55 177.56 6.88 752.55 177.56 6.88 752.55 177.56 6.88 752.55 177.56 6.88 752.55 177.56 6.88 752.55 177.56 6.88 752.55 177.56 6.88 752.55		+		<del>.</del>	<del></del>					
178.89 8.36 171.87 175.89 8.36 171.87 175.99 8.38 171.87 175.99 8.38 171.89 176.10 14.68 163.33 176.56 176.10 14.68 163.33 176.56 176.10 14.68 175.35 177.56 6.88 175.35 175.43 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.						ţ,			<del></del>	<del></del>
178.89 8.36 171.87 175.89 8.36 171.87 175.99 8.38 171.87 175.99 8.38 171.89 176.10 14.68 163.33 176.56 176.10 14.68 163.33 176.56 176.10 14.68 175.35 177.56 6.88 175.35 175.43 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.36 175.36 175.61 8.					- ;	u		4		
1118.97] 1118.97] 1118.97] 1119.97] 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 1119.89 11		! !-					· · · · · · · · · · · · · · · · · · ·	<u>.</u> . — ·		7
175.89 8.35 174.64 175.89 8.35 174.64 175.89 8.35 171.81 176.01 4.68 123.33 170.55 176.01 4.68 175.25 177.56 6.88 175.25 177.56 6.88 175.25 175.19 175.19 175.10 5.30 175.30 175.10 5.30 175.30 175.10 5.30 175.30 175.10 5.30 175.30			i ! !	<u> </u>	<u> </u>	2 :	· · · · · · · · · · · · · · · · · · ·	<u>.</u>		
175.89 8.35 174.64 175.89 8.35 174.64 175.89 8.35 171.81 176.01 4.68 123.33 170.55 176.01 4.68 175.25 177.56 6.88 175.25 177.56 6.88 175.25 175.19 175.19 175.10 5.30 175.30 175.10 5.30 175.30 175.10 5.30 175.30 175.10 5.30 175.30	•				<u> </u>	-13				بميبه
178.97 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89 175.89			-:		9	+ 2	!	T		
115.89 8.35 171.87 115.89 8.35 171.87 175.99 8.35 171.84 176.10 4.68 163.33 176.10 4.68 175.33 176.10 4.68 175.33 177.56 6.88 752.55 177.56 6.88 752.55 177.56 6.88 752.55 177.56 6.88 752.55 177.56 6.88 752.55 177.56 6.88 752.55 175.30 153.30 175.30 153.30 175.30 153.30 175.30 153.30	_5			1 1	+	้ที	i			
115.89 8.35 171.87 115.89 8.35 171.87 175.99 8.35 171.84 176.10 4.68 163.33 176.10 4.68 175.33 176.10 4.68 175.33 177.56 6.88 752.55 177.56 6.88 752.55 177.56 6.88 752.55 177.56 6.88 752.55 177.56 6.88 752.55 177.56 6.88 752.55 175.30 153.30 175.30 153.30 175.30 153.30 175.30 153.30	<u> </u>	<u> </u>			<u> </u>		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	<del></del>
178.89 8.25 771.87 175.89 8.25 771.87 175.89 8.25 771.87 175.89 8.25 771.87 176.01 9.468 752.33 146.10 7.46 762.33 146.10 7.46 762.33 146.10 7.46 762.33 146.10 7.46 762.33 146.10 7.46 762.33 146.10 7.46 762.33 146.10 7.46 762.33 146.10 7.46 762.33 146.10 7.46 762.33 146.10 7.46 762.33 146.10 7.46 762.33 146.10 7.46 762.33 146.10 7.46 762.33 146.10 7.46 762.33 147.56 6.88 752.36 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96 19.96 150.96	a a	<u> </u>	! ! !		<del>- ;</del>	<del></del>	<del></del>		<del>:</del>	<del></del>
175.89 8.25 771.87 175.89 8.25 771.87 175.89 8.25 771.84 175.89 8.28 7.71.84 176.01 9.33 7.10.56 166.01 9.46 763.33 146.10 1.46 763.33 146.10 1.46 763.33 146.10 1.46 763.33 146.10 1.46 763.33 1759.43 8.70 757.95 1759.43 8.70 757.95 1759.156 6.88 752.55 1759.156 6.88 752.36 1758.18 5.30 752.36 1758.18 5.30 752.36 1758.18 5.30 753.36 1758.18 5.30 753.36 1758.18 5.30 753.36 1758.18 5.30 753.36	-	1 1		1 1	3 (2)	8				<del></del>
175.89 8.25 171.87 175.89 8.25 171.87 175.89 8.25 171.87 175.89 8.28 171.54 1768.01 9.33 176.56 1769.01 9.33 176.56 1759.43 8.70 157.95 1759.43 8.70 157.95 1759.43 8.70 157.95 1758.12 5.30 153.36 1758.13 5.30 153.36 1758.13 5.30 153.36 1758.19 5.45 151.91 1758.10 5.30 153.36						9			i	<del></del>
178.87 180.13 397 775.60 180.13 397 775.69 178.89 8.35 711.81 178.89 8.35 711.84 168.01 9.46 763.33 146.10 4.68 763.33 146.10 4.68 763.33 1759.43 8.35 751.85 1759.43 8.35 751.85 1759.43 8.35 751.85 1758.13 5.30 753.36 1758.13 5.30 753.36 1758.13 5.30 753.36 1758.13 5.30 753.36 1758.13 5.30 753.36	:				2 0					·
178.87 180.13 397 775.60 180.13 397 775.69 178.89 8.35 711.81 178.89 8.35 711.84 168.01 9.46 763.33 146.10 4.68 763.33 146.10 4.68 763.33 1759.43 8.35 751.85 1759.43 8.35 751.85 1759.43 8.35 751.85 1758.13 5.30 753.36 1758.13 5.30 753.36 1758.13 5.30 753.36 1758.13 5.30 753.36 1758.13 5.30 753.36			<del></del>	<u> </u>	<del></del>	<del> </del>	· · · · · · · · · · · · · · · · · · ·			
178.87 180.13 397 775.60 180.13 397 775.69 178.89 8.35 711.81 178.89 8.35 711.84 168.01 9.46 763.33 146.10 4.68 763.33 146.10 4.68 763.33 1759.43 8.35 751.85 1759.43 8.35 751.85 1759.43 8.35 751.85 1758.13 5.30 753.36 1758.13 5.30 753.36 1758.13 5.30 753.36 1758.13 5.30 753.36 1758.13 5.30 753.36								• •	(2)	•
178.97 180.18 397 175.89 175.89 175.89 168.01 168.01 175.89 168.01 168.01 168.01 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 175.33 17				•				; ;	الخ	
7118.97 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 1115.89 111	8	59	54	5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5	8 B	40	55.	% <u>-</u> 9	€ 3 4	<del>2</del> Y
7118.97 180.13 391 180.13 4.33 115.89 8.35 168.01 9.46 168.01 9.33 159.43 8.35 159.43 8.35 159.43 8.70 159.43 8.70 159.43 8.70 159.13 5.30 158.13 5.30 158.13 5.63 158.13 5.63	25.	7,	71		763.	51.	52	55.	15. 15. 15.	
5.48 780.13 397 5.48 780.13 4.3 4.35 775.89 8.35 4.35 775.99 8.35 1.45 766.10 4,68 5.55 766.10 7,46 5.55 766.10 7,46 5.01 757.56 6.86 5.07 758.13 5.36 5.09 758.13 5.36 6.21 757.56 6.96 6.21 758.13 5.36		: !	1000			: :	m 9	0 0	. 01	
25.12 180.13 4.52 175.89 8 4.35 175.89 8 16.10 19 19 19 19 19 19 19 19 19 19 19 19 19	6	6	35	3.3.	39'	۵,	80.6	.36	9 K	
5.48 780.13 5.48 78.9 4.35 775.8 4.35 775.8 1.45 768.0 5.55 766.10 5.57 766.10 5.57 766.10 5.51 759.4 5.09 759.4 5.09 758.1		, <i>T</i>	8 8	86	5 F	: 80: 00 - 80: 00	<u> </u>	1 W W		
25.12 78 75.14 76.43 77 76.43 75.15 76.45 77 76.5 75.5 76.7 76.5 75.5 75.5 75.5	9.9	61.13	12 N N	<b>9</b> 0	5 0	الم الم	7.5	10,1		
5.48 5.48 1.45 1.45 1.45 1.45 1.45 2.77 2.77 2.01 5.01 5.01 5.04 5.04 5.04 5.04	E 8	گخ	£ & "	200	2 2	75	25 25	27 25	·	
10 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7	1 !	52	5 5	55	58	2 5	= 8	( XI	
	5.1	5.4	4.3	1-1-1	S N	- 4	5,0	6 2	(.SA(	;
	g	<del></del>		34	-	+6#35		+2#31	6 t 8	
+P#33 +P#34 +P#36 +P#36 +P#36 +PP#37 +PP#37 +PP#37	#		# 3	#	3	#	#	#	# 22	
# 4   # 1 # 1 # 1 # 1 # 1 # 1 # 1 # 1 # 1 #	\ JF	.	46	1	الة	/FI	4	1	\$ P	:

. . . .

	•	·				·	<u></u>															
15			<u> </u>			,															-	
			ξ ; (:}																			
	_0_	X V		· 		<u>:</u>	· 								<b>-</b>							
	0661	8 K	R DEM	, 2		:																
	_7_	0) =	2 8 B	3					1 :							<b>_</b>		•				
	AB 4.1	S C K	7 F	:		'		1 .						<b></b>							_	
	2	~ &	0 S					. ,	!!!	:	;			·-·	·		!	1			_	
	, ]	,		, <u> </u>	:	· <u></u>	1	<u> </u>		:				<u>:</u>				!	:			_
		:		;	· .		!		_					:			İ		:		_	
;		! \		:	:	•	•				;							Ė			_	
		- 1	İ						•		:						:					
		. !				;	•		;												_	
	:	•												_								
	;	~-																			_	
	. :		(ب) :						. !								;					_
:			<u>3</u>					:			i			: .			i	‡ ±				
						<del></del>																_
;	1				:		•	:	:		į.								•			
:	: :	1	3,76	815.48	:	!	!	:			•											
				83		<u>:</u>			:					<u></u>								_
7.	S		53	ં	3	<del>d</del>	4	83	25		30											
ELEV	830.5	829.4	~	827.32	871.8	818.43.	815,42	881.83	838,25		830, 50								:			
W	<u></u>		6.66 833.53 833,76	88	<u>&amp;</u>	<u></u>	<u> </u>		∞													-
10		796	و	50	8	S		30	~~		0.0											
FS	İ	7.9	9	A.87	235	9,38		2.80	89		6.50											
		5					160															_
H	837 37	830.19		ļ	834.80		9	839,43	837.03													
円	5	53.		: [	394		8	12	33													
		: ;	<u></u> -						i													_
Ŋ	8 \$	8			96		ાત્	0	11	i		;		:				٠	:			
စ	Ô	6.78	-		8.96		0	07.8	0	٠	:						:		:			
	.:.			1	4	• نسد	A		11 8 E		0	:	ì	:	1	:		:		i	_	
انسا	انسا	1			4	⋖	Ξ		14		#	!		}	:	;	;		i	:		
T.A	<b>3</b>	#	12	į , d	<b>₹</b> ~ [	<b>S</b>		- T	. — .		1.		•				,					
Sta. 65	em or	# d+	8.46	RE.	+6#3+	<u>ک</u>	#BM A 9,21 (834,63	# 6#	16#	į	BURTH	:	:	i	:		:	i	i	:		1

	E-109 MOM, Stampsol 783.88	DSK SIAMPAd HMV "GO" BRIDGE (				WALCR ST NORTH OF GRAND	68 AV DE AVE	FIRST ST W. OF MINRY OF PK.	S ENTRANCE FLOOR BLEV. OF WEIL HOUSE			E. OF SAUK CITY LIMITS SIGN.	
EIEV.	183.88	185.38	111,83	.67 176,23	PP 449	82 764.20	714.54	18.404	115.65	764.20	760, 56	158.03	
E		1,28	8,13	5.67	75	· —	1.41	5.93	3.56		33	762.40 5.34 758.03	
ī	192.1S	187.96	781.90	PE3.68	776.0a	17897	46084	M9.41	-;	169,39	P163.39	762,40	
85	8.27	3.09	3.07	9.45	1.50	11.72	6.18	4.60 919	•	2,19	3.31	4.57	
STA	Bar Fron	015 K	#d+	+6 + 43	h* dt	H # S	10 # d+	tp#9	WELL#14	+pHS	+ 00 to +	b #d+	

1					
			<del></del>	<del> </del>	
_					<u> </u>
7				:	
		0			
		•0			
		13			<u> </u>
	<b>√</b> to \$ 2	PKing			
	111.3				
	A D	PPER	<del>~</del>	5 5	<del></del>
	2 1	2 1			
		2 8	5		
		J.			7
į		10			2
!		80			<u> </u>
[		V 8 3	: !		3
		1 2 2			
1		3 8		, ;	, S
		N =			- <del> </del>
L			<del>-</del>	<u>!                                    </u>	
	9.0	<b>8 1 1 2 3 3 3 3 3 3 3 3 3 3</b>	3 BE 7	30 22	163.59 F
	s.a.6.757.34 11.25 750,78	139.80	757.39	753.75 754.39	<del>3</del> 6
	s.a.6	0 7 7 //	5.13	65.8 65.8	0.93
763.60	4.69 N63.03	3.82 (मध.का	5.18 (163.53) 151.39 5.81 763.30 5.13 757.39	5.63 159.30 8.59 6,12 (Dec.51) 4,99	70 To
	8 8	الما	5.18	2 63	
	4.69	3.9%	5.18	8,	1
	10# 11	+P412 +B##3	1 #d+ 10 Hd+ 12	+P#16 5.63 +P#17 6,12	DISE +BM#4

...

ര ! i ; : ار. دي. س

			- 17									-		·				
Bot. Am	2	M CA&C	2		• .	i t			•			: :				0	23	
	4.33	751.05	:	754. W	:										-			
140+	1.6.4	158 90 4	9 7.	P24,59	! !	<u>                                     </u>			1 .				4					
8m 47			407	754.83	754.8a			<u></u>	:	!		+++			1	<u> </u>	1 :	:
								: !			-	-				<u>:</u>		
		:			· : 1	<u>i</u>						-	. !		<u> </u>	: :		1
						<u>i i</u>		1	<u>:</u>	1 :	+-!	+	!	1	· ·	<u> </u>	ì	
	·				į	!_					-			1		<u> </u>		 : !
			:	;	!	<u> </u>			<u> </u>			<del>-</del>		<del>-</del>		<del></del>		:
						1 1		<del></del>	<u> </u>	:	1 !			1	<u>:</u>	<u> </u>		
		:	; ;	:	:	i_		<del></del> -							<u> </u>	<u> ;</u>		:
							<u>-</u> -	<u> </u>	:	!	<u> </u>		i	<del></del>	<u>.</u>			
	!										<del></del>							
!	:					<u> </u>						+			_ <del>:</del>			•
		•		,			-		:	!	!	-	1	:	<del></del>			
							.				!					; :		<del>.      </del>
	:						:	<del></del> -		:						· :		
	;							<del></del>	·			i						
:					•						<del></del>	<del>.</del>						
:						<u> </u>	_	<del></del>				<del></del>		_	<del></del> -			
•			-	-			_											

Fing 4.71 (\$53.47)   1.3.0 (\$36.3.16)   1.3.0 (\$36.3.16)   1.3.0 (\$36.3.16)   1.3.0 (\$36.3.16)   1.3.0 (\$36.3.16)   1.3.0 (\$3.0.16)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$37.71)   1.5.5 (\$	

						,				
			<del></del>		1 1			<del></del>	<del></del> -	
रि	5	<del>2</del>	<del></del> -		<del></del>				·	
	3	BAEE34	<del></del>		<u> </u>				·	
1890 1840	<b>₹</b> ∽¢	200					. i			
-87	2 ,3 °6	50			<u>'</u>		<u> </u>			<del>_</del>
8 J	A 65, 30	<u> </u>	·			<del></del>	<del></del>	<del></del>		
Med 19	1) A	3 6	<u>:                                      </u>	<u></u>	1 1	}	· <del></del>		<del></del> -	<del></del>
										<del>                                      </del>
		1 :				:				
	· .	ī			<del>- !</del>	<u>!</u> !				<del></del>
:	<u> </u>			<u> </u>		: ,			!	
4	: 		<u>.</u>	: 	; ;	· .	·			
23.4	<del></del>	<u> </u>	٢ <u>٠</u>		<u>:</u>		<del>- :</del>	<u>:</u>		·
A 05.55	-	<del></del>	8	· · · · · · · · · · · · · · · · · · ·	<u>!</u> ;	<del>. ,</del>	<del>.</del>	<del></del>	<del></del>	<u>.</u>
	<u> </u>	<del></del>			•		!		<u> </u>	
70			Q	میں						
81562	87.30	8 8	8.8.50	818.50 818,75	8,7,30	8 H.39	F.7.			
81	<u>a</u>	,					7		:	
814.675 -815,62	'S' 6	380	817.555	817.80S	53	145	<b>~</b> €	- i		
814.675	3.33 816.355	88,08	[]	_ زير ح	3	813, 445		:	•	
(%) 60	<b>∞</b>	9 00	<del>                                     </del>	Ø Ø	<u> </u>	<u>60</u>	~	<del></del>	<del></del>	
50	333	36	2,98	.44	0	S	4,53			
N: 2	, ,,-		8	N	V)	N .			·	
419 819-115 SAP. 63 V	25	87.478 6.1984.28	924.39	821-168 821-168	819.035 S.10 BIG 355	819-245 S SB	!			
वे बीचे हैं	70	1.6.5.68 8.25.4.49	7	84-148 84-148	0 0	के हैं		•	i	
2 1 1 1 m	7 6	10101				! =1 :	<del></del>			
7 7		5,51		5.89	70th 19 2.67	+p# 2 5,85				•
ق ت	1 19	8			<u>র</u>	S	-			· · · · ·
	6	+6#3	BM# #WB	hh www	# T	77.	TBM"A"			:
<b>X</b> #	V 1 1.11			1 1	1 <del>- 1</del>	( <del></del>				
10.m"A" 4.44 BA-TTS TPE IA 62.20 SAT CBS 5	6109 +P#3	4	W.	E	46	4	18			

.

																I	ļ
a+s	88	WELL	74 8,C,0 FS EIE	Elev.						;		7			. ,	3	1
1	9,71.			943.0		a	S A	Stamped	bed 1		4	- A Q	1	19/5/91	=	11.36-0	
	13.6	Jes. 149.36.				Š		<u>٠</u>	>F B	2	200	8810-E 350-061-1 0 F. L. T.	٥	4	. 1	FNBAGA	
	4.8					7718	O, NORTH	<b>*</b> 1		\$ h	3	4 South - Reace	Ŋ	50,645		F.	
Disk			5.55	וריצאנ	1			+ 3	Ŋ	3	About	-			:		
FOMTC			5.52	743.79		<u>.</u>	- کا م	2	MAR	J	S 0 01	k choc	ું		A A		
					! ! !		0 K 10/ce		9	94	STREAM	£ 3			:		
1 +b# 1 1	0,46	10,46 754.07	5.65	143.61				<b>.</b>				· · · · · ·		: 			
	0.10		pø.	.29 ms.97	;		•				- : i		:				~~~
				:	\ ;												
tota a	9.36	756.56	1.77	752.30			!		. !			-				•	
		156,56	1.37	152.70		· ·											
		1				i		:								•	
1 tp# 3 4	463	154.46	6.73.	149.83						·		-				!	
<b>3</b>		154.46 6.33 150.23	6.33	150,93				.!	-					<u> </u>			
	-	11									! !	i	! !	<u>-</u>			
WELL#OA			5.86	748.60				· .			: :	<u> !</u>	:	:	:		
							:	·:									
+p#4 3	?. 2D	3.22 751.066	6,63	747.84		ا	;	- !	i			i			·		
n	2.63	751.06	600	148.44									<u>-</u>				
		ļI,	•	!	:		i	•		; ;							
tp#5 6	.33	6.23 152.82	4.47	146.59			:								: i		
S	5.82	152.02	4.06	747.00		<u> </u>	:	<del></del>	·	_	<u>i</u>	<u> </u>			<u> </u>		
	1						-		!	<u> </u>	<u> </u>	:	- :	<u>;</u>			
WELLTO		;	95.9	746.26	1   1	SK4	4	<u>-</u> ره	:	<u> </u>	:						
			9 00	3%	: 1	Č	-	_	- -	<del>-</del>	!	<del>-</del>	_	<u>-</u>	-	_	
		_	<u>,</u>	9	! _		•				-						

• • •

·- ,

33			
	20%	30K (2 PD)	5.00 1. 20 1. + REE
Non-in-	999 LJ	\$ \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	75 RR
98 PS E1Er.	0 0	5.04 5.04 3.50 162,49	9.31 7.81 757.75 6.31
185   Well 98	2 2	9,73	465 309 1.53 765.56
S. Phys.	Cot 6.7, 3, 6 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/2 6.1/	19440	ett ett

: :
1
· · · · · · · · · · · · · · · · · · ·
·
•
!

٠.

÷

AL ST								
2	39							· = <del>-</del> -
		30 +	<u>ل</u> ا لا					
÷		Shots PVC	- July 2					
\$ C 7			0					• -
A TO THE WAY SENT THE THE		7	≥ 20 m	<b></b> -	-			
11			m 0 ⁵					
				1				
				7	$\sim$	M		
	-		<u> </u>	<u>, w</u>	—— <del>-</del>			
	-	<del></del>	<u>×</u>	- <del>\frac{1}{2}</del> -	N X	\hat{\gamma}		
1								
134								
		00	<u>s</u>	5	8,34	± ~	c	
Section 1	5	742,	,8hr	748,	148	748.34	F. C.	
	<u>-u-</u> ••		2.81.					<del></del>
	WEXX # 7-E, F, C		三河	- الله ع	- 77		10.35 8.19 1.23	<del></del>
	# //	2,33				150.79		
	3	5 =		·				<del></del>
	1	10.30 152.32				4.66 2.45		
		<del></del>		# # #	<u>2</u>	# 2 × × ×	, K	
		Bont 742	WELL TE	We 11-#7	9/# (IVM	4.66 WELLTR 2.45	されたのの	
	( e= :	40. 7	13	ತ _! ;				

---

The second contract of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second sec MBY 21, 1990 805. WELLS Et. SORNAN 609 A Charles of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Cont 2

43								
+8m # C	10 P. WIRE 2, 107 145.68"	+p# 8.06 151.337 6.83 143.217	+0 = 3.61 ASS.497 4.45 746.887 5.51 ASS.497 4.35 746.987	10#3 11.36 761.367 2.49 750 007	+p#4 0.68 153.451.859 152.961	+0#5 4.81 247 10 87 142,587 4.64 142,247 10 10 10 142,062	4P#6 8.35 153.577 2.37 145.00.7	4 93 149.237 9.23 142.359 4.93 149.207

149.337 TBM=	3.00 146,677 5.76 m	1.52 PM9.147 8.05 7	1.46 146.637 3.99 7.	5, 26 744,767 11.1. 7 17 58.2 1897,187 19.4		13.46 9			
TBM#6(don+,)	743.47 ('38.66')	741.627 748.121	745.117	739,527	739, 179	730.Bo7	:	:	
-				· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·	
								· · · · · · · · · · · · · · · · · · ·	<u> </u>
45									

• • .

7 19

••

47					· · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · ·	<del></del> - - ·
-							-	-
							 	- -
	,							
		· · · · · · · · · · · · · · · · · · ·						
-	:							
	<u></u>							<del></del>
Walker Towns	2 7-	·	7 %	709	31			
Contebrat	833,76	843, 18 856.37 856.43	858.39	856,94 857,16	866.31	·		–
71+	0.63	0.29 0.27 0.21	2.75	5.85 5.63	0.60			
11 # 773m	843.47	860.84 860.84	862.79 662.79	366.96				
	13.16 10.71 8.34 8.36 13.80	13.46 856.64 0.29 4.47 860.84 0.27 4.41 860.84 0.21	4.72 862,79	80.03 80.80				
	9 0	4	# 4	9.80 866.96 5.63	Le IT			·
	10 # to #	1 2	1	7	3			

.

٠.

								-	
5				<del></del>			<del></del>		
bh									
	· —————		<del></del>	·	<u> </u>	<del></del>			
							·		
	•					<del></del>	<del></del>		·
		:							
			:		<del></del>	· · · · · ·	<del></del>	<del></del>	
	:	<del></del>							·
	<del></del>		· · · · · · · · · · · · · · · · · · ·	<u>-</u>	<del></del>				<del></del> ·
						<del></del>			
								·	
<del></del>					<del></del>	<del></del>	<del></del>		
	<u> </u>						- <del>-</del>		
	79	16	39	18.	<u>-</u> = -	142.24 141.75	20.		
	185.79	785.91 786.27	715.76 13.87 774.0	762.81 23.63	750.6 ⁴ 750.14	142.24 141.15	738.04		
<del></del>			500		<u></u>			<del></del>	
1		1.23	2000	12.95	13.58	9.68 9.57	5 5		
<del></del>	1		33	<del></del>				<del></del>	
+ B M #F	3, 1	1.8	S, 7 (	763.72 763.72	151.33	3,37 14561 386 745.61			
8	[3]	38,	رد الد. الد الد.	2 2	<u>र</u> है.	- ディング ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (			
+   7	35.	9 0	9_	70	8	33	;		
+ 32	7.35 793, 14	1.96 187.87	40# 2 1.76 ms.76	8.91	11.18	3,37 94561 386 745.61			
<del></del>	T		<del>-</del>	~			Bove HO	· ·	·
1	Kuel #	五	#	+6#3	#	₹ 2	Above He	i ;	
	137	4	4	#	<b>3</b>	4	3 P		
	· • · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	, , , , , , , , , , , , , , , , , , ,	· · · · · · · · · · · · · · · · · · ·					

					- <del></del>							· ·
-												
	^ <u>-</u>						<u>.</u>	<u> </u>				
	-			<del></del>			-W-	<b>⋄</b> <del>∡</del>			-	
	-	<del></del>				<del></del>	<u>لا</u> ن	5			·	
	٠ -						<u> </u>	<u> </u>				
			,				<u> </u>	F 85	<del></del>			
				<del></del>	-		5	0 0			<del></del>	<del>-</del>
	-		: :	<u> </u>	- W			= 90				
	_	· ·			560+		3.pot	3 6				•
	_				หั		<del></del>	<u>v</u>				•
		•,		·			- 120 120 120 120 120 120 120 120 120 120	Stai	<del></del> -			
							<u>ğ</u> _	0 0				
		,					318	<del></del>				
	•	•		<del></del>					<del></del>			
***		•			-			:				
		\			w ew	····		<u>≪</u>				
			823,155 823,135	316.81	837,56	00	35,88	37.56				
	1	830	ga3 823	818	28 23 23	8 2 2 8 8	835,	837				
B				5-6	8 90 8 90			5				
#6A	)	:	ج بي بي	7.69	+	5.79		3,738				
		SS	3 v .		N N		10	<u> </u>				• •
1.161.1		33.5	افي بر		8m =		841.49					
). !e	3		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	· · · ·	4 6		<u>- 1</u> कि					•
		184 1.84 833485	3.25 826.405 9.33 3.27 826.405 9.35		7.		5.61	<b>5</b> .				
_	-	<u> </u>	141 1	4			V) V	1				
	Ì	3		4 P	(F	3	7	(e.1		;		
		T.B. 13"	1	2	TP#8(Pary)49	OM Set	BM set	10*8(1.4)				
						~			ر جو د مو			

( E) [						·					
, -		<del></del>	! ·			- 3 <u>-</u>					
-	C					- 4		<del></del>			•
_				<u> </u>		<del>vi</del>					
	vi			<del>- 3</del>		ď				ر 	
<u>.</u>	!			<del>- 1)</del>	;	<del>-0</del>		<del></del> ,-		<u> </u>	
	9			&		Ü				<del>2</del> 2	
	8			BRA		<del></del>				٥	
1	Ö		<u> </u>			<u> 6</u>			<del></del>	<del></del>	· ·
,	<del></del> _			e. e.		Ī		<del></del>			
-	3						<u>ل</u> ا				
-	<u> </u>	<u> </u>	<del></del> ;	$-\frac{x}{3}$	<del></del>	र्च द	2			<u>्रं</u> , 3,	
									•	نِہ ب	
	i '								-		7/2/1
	785.38	16.086	120.71	78s.48		808.80	815.44	88 815.54	(Topad)	808,78	830,03
6		7,38		2.61	0	:	6.95	0,88	# 28		6.44 1.68 29.2
+8m#	788.09		181,95		# #	831.69	89.42 89.42		WELL.	834.71	834.07
+	3.81	: :	7.24		3/25	12, 59	3,98 819.42		11	5.93	7 - 3 - 5 - 6 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5
	DISK	+8m#3	+BM#2	DO.T PISK		Dot BATES	/ <del>+ d</del> d	wellta		Oct FED	\$

. .

55	ADJON. WELLS	C.R.C./ R.K. Survey, 65					
834.07	825.21 3,46 830.61	3.46 1.1		4.45	5.53	7,58 6.19 4.71	
(06)	10th 2 4.60 82 3.22		5.24 20.04	+P# 3 5.52 3.63	+P≠4 6.33 4.76 3.20	Øm# so	

					- · · · · · · · · · · · · · ·		
-							
57	··						
		ψ.;					- · · ·
	3						
						:	
	<i>y</i>	::					
-				:			
-	2			<u> </u>	1	( <del>T</del> )	
文	4 1		G /		1 1	28	1989 - Principalis
ne daz	- <del>8</del>	23	- Cg	271	<u>&amp;</u>	<b>6</b> .838.	
	82878	8aA.53	838	838	8 अप क	888	
SB		2.94	11 44 8,05.83		834.08 7.08 5.6.2	8.73 8.76 67.53	
Well # 5B	833.90	836.27		836.34	34,08		
3	3.73	8.08 6.74 5.40		000 -	3.90		
			44.	11.50 8.13 8 Pr. 4	4 4 6	S.V.	
	F. 00	# 4	Well 56	Well.	704	00st 6.4 44 5.0	

1.4

- ". .

1			
		— <del>;</del>	
59	<del></del>	<del></del>	
		PA	
	<u> </u>	<u></u> +	
		3	
3:	<u>n</u>		
	<b>A</b>	<b>L</b>	•
		<del></del>	
-	3	<del></del>	
	27	7 0	
		<u> </u>	
		+ 1	<u> </u>
	,		
	\$	40	<b>8</b>
	755	755,40 753.24	SS.
T		2.33 18 2.39, 18	<del></del>
# 18		9	3.4.69 3.4.69
1,514 #8 H	159.63	758.47 758.47	
	35	756	
	89.68 2.68	5.07 Se . 23	
	N 2 18	<u>را ۱۵</u>	4.
	#17	#	Well# 184
	3	+	3

_____

A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA					
9					· ·
	h	<del></del>		<u></u>	
	2	· · · · · ·		<u> </u>	<del></del>
	2				· · · · · · · · · · · · · · · · · · ·
	2			4 S A S A S A S A S A S A S A S A S A S	
	*			3	· · · · · · · · · · · · · · · · · · ·
	7	!		٧ <u>٠</u> ح	
	2		<u> </u>	D#/!	
	<u>\$</u>	:	· · · · · · · · · · · · · · · · · · ·	۵	
	8	: :	<u> </u>	à <del>3</del> ±	
					linia di B
	~				<i>).</i>
80 L	757.35	754.651	1કા. 3કી	763,33	761.00
181	3.33		0.69	185 4,85	4.50
779 M	187.887	159.931		Me 11 18	N.S.40
	0.63	3.15		3 ~ ~	
	1934 0.63 1934 0.50 0.38 1201 F88	3.15 3.90 3.90 3.15	BA SAUK	BM HgD	4,75 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H. 10 H

. . . .

•

•••

16   16   16   16   16   16   16   16													
4.39 3.43 3.43 3.43 3.43 3.43 3.43 3.43													
4.39 3.43 3.43 3.43 3.43 3.43 3.43 3.43		۰۰۰ پیمو										<u> </u>	
4.39 3.43 3.43 3.43 3.43 3.43 3.43 3.43	55	<b>E</b>											
4.39 3.43 3.43 3.43 3.43 3.43 3.43 3.43	F.												•
4.39 3.43 3.43 3.43 3.43 3.43 3.43 3.43		$\sim$										<del></del>	
4.39 3.43 3.43 3.43 3.43 3.43 3.43 3.43		9										• • •	
4.39 3.43 3.43 3.43 3.43 3.43 3.43 3.43								- <del></del>					
4.39 3.43 3.43 3.43 3.43 3.43 3.43 3.43					<del></del>		<del></del>					<b>-</b> . <b></b>	
4.39 3.43 3.43 3.43 3.43 3.43 3.43 3.43				-			<del></del>						eren o
4.39 3.43 3.43 3.43 3.43 3.43 3.43 3.43			<del></del>					<del></del>					
4.39 3.43 3.43 3.43 3.43 3.43 3.43 3.43			<u>.</u>				<u> </u>		··		· · · · · · · · · · · · · · · · · · ·		
4.39 3.43 3.43 3.43 3.43 3.43 3.43 3.43			<u> </u>						<u> </u>				
45.7 (2.94) (2.0.43) (2.95) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2			•		1 1		-		. 1		!		
45.7 (2.94) (2.0.43) (2.95) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2			į	: .			=				-		
45.7 (2.94) (2.0.43) (2.95) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2			<u> </u>	:	- ; - ;			<del></del>					
45.7 (2.94) (2.0.43) (2.95) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2.94) (2					<del></del>	<del></del>	•• ••			<del>- :</del>	,		
6.97 6.97 8.93 815.53 816.58 3.85 4.39 4.39 4.39 4.39 4.39 8.39 8.33.11 9.45 8.33.11 9.45 8.33.11 9.46 8.34.01 8.35 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.				<del>-</del>			• • • • • • • • • • • • • • • • • • • •		· · · · · · · · · · · · · · · · · · ·				<del></del> -
6.97 6.97 8.93 815.53 816.58 3.85 4.39 4.39 4.39 4.39 4.39 8.39 8.33.11 9.45 8.33.11 9.45 8.33.11 9.46 8.34.01 8.35 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.					<u>:</u> _		<del></del>		· ·	<del></del>			-
6.91 6.91 5.41 8.95 9.43 4.34 4.39 9.43 9.43 9.43 9.43 9.43 9.43 9.43 9.43 9.43 9.43 9.43 9.43 9.43 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44					:		<u> </u>	<del></del>					
6.91 6.91 5.41 8.95 9.43 4.34 4.39 9.43 9.43 9.43 9.43 9.43 9.43 9.43 9.43 9.43 9.43 9.43 9.43 9.43 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44 9.44								····		<del></del> -			_
8 5.41 822.51 4.35 8 3.43 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.				_			<del></del>		* 91				
8 5.41 822.51 4.35 8 3.43 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.			<u> </u>					1 1	. !		. i I		
8 5.41 822.51 4.35 8 3.43 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.	ķ. <b>—</b>			<del></del> -			<del></del>	<del></del>	<del></del>			·	
8 5.41 822.51 4.35 8 3.43 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.				1	:	1	•	* *			,		
8 5.41 822.51 4.35 8 3.43 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.						i							
8 5.41 822.51 4.35 8 3.43 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.						•							
8 5.41 822.51 4.35 8 3.43 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.	-		0		80		<u></u>	<del></del>	5	<del>- /</del> =	8	<del>-</del>	
8 5.41 822.51 4.35 8 3.43 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.4.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.35 8.3.			S		. N		ည	<u> </u>	Ó.	0	0	, o	
6.97  6.97  8.95  8.90.93  9.93  4.39  4.39  4.39  4.39  8.30.9  8.13  6.31  6.31  6.31  8.32  1.46  8.32  8.33  1.46  8.32  8.33  1.46  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8.35  8			<u> </u>				9	δ. Σ	Š		<b>ශ</b>	83	
6.97 6.97 5.93 1.46 5.93 4.39 4.39 4.39 4.39 4.39 6.31 8.15 6.92 6.93 6.93 6.93 6.93 6.93 6.93 6.93 6.93 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10	-								^ ~-		125		
6.97 6.97 5.93 1.46 5.93 4.39 4.39 4.39 4.39 4.39 6.31 8.15 6.92 6.93 6.93 6.93 6.93 6.93 6.93 6.93 6.93 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10					38	2 4	M	20 E	5.4.9	210	- 5	ં જુ સ્ટ્ર 🖔	
5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44		9		. (	らす	ئے کی		÷ ~ ~	0 300 =	- 20 /3	NW C	ند تو د	
5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44	4	4	100		_								
5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44			9		1		1	121	10/	10	أخرا	(o)	
5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44		اب	2	Š	द्ध		द्ध	S	ايق		130	833	
5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44 5.44		3	<u> a</u>	5.1	රූ			100	100		•		<del></del>
		<b>S</b>	-	· v	ام و	8	C 2	4	m a −0	\$ 6.00	के च प	2 5 m	
			2 3	00	₹. ¿	7	S C	4 6 4	2	3.6	5 m/	S. C. S.	
+ + + + + + + + + + + + + + + + + + +			3 8	7	- ()	7 3	7 '	1 1 .	· • • •				
神 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中			2	-		İ	لہ	M	4	0	ď	-	
			#	7	#		#0	0	#	##	#	#	
			8	2	9		16	1	+6	40	16	46	
			7	-						مرج سبارويد			

الماريسين								
=								
	<del></del>							
65		<del></del>	·	· · · · · · · · · · · · · · · · · · ·	!			
				<del></del>		· ·	<del></del>	
				<del></del>		: 		
				2;				
-4:		<u> </u>			-,-			
		1	7			<del></del>		
ئىي ئە ئ		i :			1-:		<del></del>	
				: ;				
				: ;				
	<u> </u>			1		:		
; ;	<u> </u>					<u> </u>	<del></del>	
-			<u> </u>	<u> </u>	96	• .	· · · · · · · · · · · · · · · · · · ·	
		-			7	•		<del></del>
	<del>-   -   -  </del>		1 1 1		9			
					<u> </u>			<u> </u>
		!!!			3 1AB			
					+.83 Ø 51		<u> </u>	
	(2)	53	~	73	8 E	2	$\mathcal{R}$	8
:	333.	<u>.</u>	810,01	813.73	833.4	835.	826.85	821,35
		<b>8</b>	<u> </u>	90	<b>-0</b> +		<del></del>	
	12	12.09	2003	50.5	@ ,	3, 20,	2000	99.09
	7.9	<u>G</u> 0 %	= 6	m Og	0.0	<b>∂</b> <del>2</del> 3	920	
To		भेट.	12	ष्ट	S	833.03	7-9	833,45
831.20	B26.66	819	815.77	८४३.१९	824.52	33,	935.64	(e)
			<u></u>					
	5, 24 3,43 1,68	2.03	- 0 5	15,49 9,46 9,43	7.36 5.61 3.86	5 % 0-	33 14	50.00 9.00 9.00
	5,24 3,43	2.03	5.70 4.29	0 0 0	40,00	1.84 6.19	6.39 Pr.2	30,00
	J	1 1	_		Her 13 Well #18	2	3	70
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6#40+	16410	<u></u>	21]	# 4		
	9	2	16	40	#3	7	t pat	#0#
<b>9.</b> I								

			(S)	
8.31 1,40 2,49 6.97	833,57 4,74 827,93 8,91 8,34.61 4,76 838.81	833.80 4 27 830 34 2 2 2 830 34 8 4 17 8 8 4 40	9.34 (830.56) 8.89 830.43	
	+P#17 5.64 87 3.94 87 49 1.45 +P#18 5.80	4.81 19 2.50 8 4.33 4,35	ر العص ر ما العص	

1000 jun										
300					. مساد د د ه. د.		 			
K # 4 F.C.	•		··		<b>.</b> .		·	<del></del>		
<b>.</b>					-					
			. <b>.</b> .				<b>-</b> ·			
					- •		· .			
	<u></u>	•							· · · · · · · · · · · · · · · · · · ·	
<b>4</b>		- · · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·	. <b>.</b> .	- <i></i>	· · · · · · ·	
								· 		
				,				,		
						•			-	
						•				
14.86		So. 25.		351,21	844.89					_
844.86	77 852.17	13 850.85 0.5	850 85	12,128 17	58 844.89					
		1,93 850.85	850.85	12,179 851,21	9.58 849.89					
			850.85	852.47 6.79 851.21	1.58 844.89					
Hb 050	858.18 0.77	193	858.58	66 (852.47) 6.77 (851.21)	1.58 84,89					
1.53. 8.08 352 74		19.50 19.00 19.00 19.00	850.85	0.66 (852.49)	9.58					
માં ૯૬૭	858.18 0.77	193	858.58	15 15 0.66 (852.47) 6,79 (851.21)	21/4 1.5 8 844.89					<del>-</del>

The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s

ي.	834.77	828.73	 		٠	MAT	30, 1940 JOKEBAN
6.06 4.74 3.42	11.60 11.858 3.45	829.99	 			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	( <del>)</del>
0,471 6.14 18.8	835.70 S.18	827.56	 				
9.03	10.74 S.97	B29.13	 	• .			
	CS:27	832.18	 · · · · · · · · · · · · · · · · · · ·	 	· · · · ·	- · · · ·	
5.13	837.61	81°C\$2	 · · · · · · · · · · · · · · · · · · ·	· · · · .	•		
	836.01 8.00 6.68	19.68			• • • •	· · · · · ·	
	835.49 6.76	829.25		· · · · · ·	· · · · · · · · · · · · · · · · · · ·		
-	824.90 5.71	839.78		· · · · · ·	·		

Server Add &

٠.

, , ,					-		
878.97	(1.0° %	831 य	४३९ ५७	208.03	828.03	829.08	978 : 8H:
35.6	22	87.80 84.48	7.81 8.30	3.95		5.35 4.09 2.63	5.81 5.84 5.87
334.10	833.74	क्षेत्र७ १९	833.14		833.17	836.18	833.81
	6.4ª 4.96 3.48	2.76	5.5.7 4.65 3.71		2 4. E.	9:36	6.01
End Cost	000 # 13 A	1441		100.1 1.26	15 1150	1 pli 3	16:14
			•	<u>ر</u>		•	

**-** .

the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of th

• •

25/ 18 4 1990 10 - 0 - E1115	× 30 +	GROUND CROUND CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRAC		
5 = 17, 2, 2,C. JORA	C RC	3 66 B	AR Spike in Pig.	
	RACE OF PROSE ASE	ETWEGN Shed + Lange AND MALEN TO NEM TO WATER	15m''4" 830.62	
49)	3 4 4.5	£ 4.8		
6,35 4,99 3,43				
dot so				

77	a plant					-1	
1115	1 P	-					
C - 3	- 71M	ह ⊙→		Q			
scatton	~~2			40-01			0
4 - 1 - 1				88 A			P3M-90
E/EV. 832.76	835.37		830.60	823.19	8an. '/3	83.1.46	821.32 821.33 88.34
下 33 833	6.13	1 1	9.84 8.03 8.4.4	7,07 85. 4,75 (3	6.33 4.58		13, 61 11, 33 11, 03 11, 03 13, 14 13, 14
	5	838.63	9 936.06	ଚଡ଼ିଭ	PI 453	35	33.00 (S) (S) (S) (S) (S) (S) (S) (S) (S) (S)
			3. 4. 6. 5. 5. 6. 5. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.		07.C 47.7	9.03 7,39 5,75	3.63. 3.51
S1A. E109	***		+6# 2	Well 19	1 2 1	+ + + +	THE S.

19 19 19 19 19 19 19 19 19 19 19 19 19 1		Lovel Ro	S 1   C		94 B
	PBM 90-0				PB V 90
819, 34	812.89 812.89 814.56	819.00	. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. S. C	827.35	838.03 830.00 830.00
6.79 48.40	8.89 7.53 7.53 5.85 5.85	12.0 12.0	3.97	2.19 2.01 2.01 2.02 4.00 5.00	3.63
823 84 82425 4.5 0	कि छ	11.968	839.3k	835.76	900
1.36	2 6 4 3 6 4 3 8 9	9.61	5.85 453	25.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0	veil aa8

18									1 1	!	i	
	137	(7°)=	2	. i	7		;		•		· · · · · · · · · · · · · · · · · · ·	
·	•		5:	3/2	2							
4		61.50	2	:					:			
- 00 W	<u> </u>											
												_
4	7,96	<b>46</b> 'S	8	.37	20	.70	<b>8</b>	80.	6	19	5,38	_
रसन =	11.85 67.5 11.85 67.5	1 1-	4.53 829.0	6.31 4.45 2.45	5.85- 8.17 4.50	8.53 7.10 3.68	5,76 Ban.93	14.44 14.44 19.44	5.30 B30.66	5.85. 1.51 3.18	5.75 835,3 9.94	
7 34	900	13	933.82	83kol	836.00 5.	833.63	333.72 5,	836.04	836.20	83964 5	840.55	
EC.		3 50 5 8 80 5 8 80 5	6.76 5.43			24.48 26.48	5.79	8,47	5.54	195	5.20	
54A.	well *Zzà	E #7	16413	Z #dt	100 B. H. S. 10	16# 16	10 #4+	tp# 18	+6 4 19	0030	77	

20	2			: !								i			
8	3 3 X	WW	2040	; ; ; ;	:		:	:	:	- ! - :	· 	:		· ·	  
04.	1 2 2 V	00.73	- 37		: :			:	 :						- -
				<u>·</u>	<del>- :</del>		· · · · · · · · · · · · · · · · · · ·	,							
- i				1 .		!	-	;		:	:			<u>:</u>	_ _ _
				· ·	;	!	<u> </u>	i		:					
		:	: : : :		:		1 1 1		:	:	!	!		:	i
834.83	833,75		: :				; ;				!		:		
20.5.2. 20.5.2.	5.82											:	1	!	
4.84 83660					:			:	-			· 			:
	27.70						1								•
101	832.76													- !	į :

58	Syound Little	•										
	GATE # 9 CENTER											<u>.</u>
7.31.7	00'001	99.83	84.8S	91.95	12.06	83.10	47.86	111.06	115.33	इंट रेट	129.93	
53	677.		17.05	14.59	1.98 0.73	1.00 1.00 0.19	1960	1.58	9.15	5.18	-3.0 -7.7 -6.36	
TH.	115, 25.	101.27	88.80	73.54	84.13	48.53	112.64	124.48	126.36	131,66	ાન ૩, ા	· · · · · · · · · · · · · · · · · · ·
85	15.35	1.04	1,15	1.59	13.09 12.02	16.21	15.95	-15.09- 13.42- 11.75	12.04	-8-14 11.5 5.48	15.1	
STA		1404	414	April British As	1049	+6#5	+6#6	16#7	8#0+	t p#d	+6#10	

** ***

	10									
						;		·		
67			:					!   !		
	1		:			· :				
	<u> </u>		~	:	•	: :			9	
	;								× 0 × )	<u> </u>
								-	1.5	
				: :		1 1	: '		2 de 1	
	रा इ इ	134.37	120.07	104,61	40,87	80.38	14.00	57,99	80,38	11.63
_	2.95	h J	16.36		15.45 14.94 26.54	10.11/ 10.67/ 10.4	16.65 16.47 (6.48	<b>16.8</b> 0 S	20 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O. 0 P. 10 O.	1 1
	160.83	136.20	130.60	105,81	91,05	! !	14.94		विरुक्त	
	-10:53 -8.76-16		20		0.30		23	3, 30	15.86	
	~ ~ ~	9 - 7	700	0	000		000		≥ N ₹	7 - 27
	11#41	11#13	+6#13	+6# 14	+p # (5	NATAN IO	1846	H&O Hade marker	1. Det 10	

	- 10 m											197
						:						:
53		· · ·	180	<u> </u>	<u>क</u> क	<u>. : :</u>	8.3	<u> </u>		ابر و	84.40	96.99
gateg		7/2	60	9	97.	<del></del>	8	Ó .	00		**O	5
90		· · · · · · · · · · · · · · · · · · ·		<u>v</u>	4,36	<u>-</u> -	जि. जि.			_ <u>60</u>	185	8:
EIEY	96.98		10158			· · · · ·				· · ·	0	· · · · · · · · · · · · · · · · · · ·
50	23.0	v	1	· · · ·	2 C (466	80	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;		2		13.18	<u> </u>
<u></u>	<u>4</u>		1 5 2	51107 G RODNO	2 3	80.08		. (	8905	!!!	٥٫	
	# # #	***	30 (€ 9)	51107 D G 180	<u>\$</u> \$	N (	<u>-)@</u> (	<b>S</b>	2,0 ° ₹	<b>₹</b>	<u>e</u>	GATE 9
-		1							÷	· .		
						•	· · · · · · · · · · · · · · · · · · ·					
1812	129.69	140.96	136.76	125.51	115,40	JIa.19	9n. 23	81,52	67.33	70.00	85.04	98.86
5	0000	2000	14.64	15,38	16,71	14.31	17.13	17.0%	17.11	1.50	0.84	
HI	143.00	151,45	140,89.	129.50	वस.प्र	13,56	99,66	82796	71,50	88.88	101.62	115.30
85	16.13	20	4.44	25.5	9.0.1	2.47	0.19	144	2.60	15.88		16.40
514	16#3A	+ P# 4.A	+6#8A	+P#GA	p#n A	+0#84	+p#d+	10#10A	+ P#11A	10#94	16#134	116#14A

# REPORT FOR PROFESSIONAL SURVEYING SERVICES HORIZONTAL AND VERTICAL LOCATION SURVEY

BADGER ARM: AMMUNITION PLANT

Task Order Memorandum 002
U.S. Army Toxic and Hazardous Materials Agency
(USATHA)

#### Prepared for:

E.C. Jordan Co. 261 Commercial Street P.O. Box 7050 Portland, Maine 04112

Prepared by:

Vierbicher Associates, Inc. 940 East Main Street Reedsburg, WI 53959

January 2, 1990

### FINAL REPORT

SURVEYING SERVICES
TASK ORDER MEMORANDUM 002
MONITORING WELL AND SOIL BORING LOCATIONS
BADGER ARMY AMMUNITION PLANT
SAUK COUNTY WISCONSIN
USATHAMA - E.C. JORDAN CO.

The services required for this project includes the horizontal and vertical locations for various monitoring wells and soil borings at Badger Army Ammunition Plant. The horizontal positions have been determined relative to the Universal Transverse Mercator (UTM) system per the NAD 27. The vertical locations are based on Mean Sea Level (MSL) from the 1929 General Adjustment.

The horizontal and vertical control shall be taken from existing control monuments and traverse control currently existing within the Army Ammunition Plant. This control information has been provided by the Army Ammunition Plant.

#### HORIZONTAL FIELD SURVEY

The horizontal location has been taken from the existing control or has been extended from said control into the survey areas. The equipment that was utilized for the horizontal control was a Lietz SET-4 electronic total station in combination with a Lietz SDR-22 electronic data collector. The grid factor for distances was keyed into the collector at a value of 0.9998919 this provides for an automatic reduction to grid distances required for geographic computations. The output produced by the data collector is based on Wisconsin State Plane Coordinates. A copy of the field notes generated by the data collector is attached as Appendix A. Due to equipment malfunction of the data collector some of the horizontal field data was gathered by manual field notes. These field notes are included under Appendix B. Multiple readings of horizontal angles and distances were taken to comply with required accuracies. This data was keyed into and adjusted through a surveying computation software program. The results of these computations are included under Appendix C.

#### VERTICAL FIELD SURVEY

The vertical location has also been taken from the existing control or has been extended from said control into the survey areas. The equipment that was used for the vertical survey was a Lietz B-1 automatic level. A copy of the field notes for the vertical survey is attached as Appendix B.

#### OFFICE COMPUTATIONS - REPORT GENERATION

The state plane coordinates determined by the data collector report was input into a batch file named ECJOR2PC. The file was then run through a program provided by National Ocean Service -National Geodetic Survey named GPPCGP. This program converts State Coordinates to geographic positions (latitudes longitude). The output from this run was placed in a batch file named ECJOR2GP. Finally this geographic position file was input through a National Ocean Service - National Geodetic Survey named UTMS. This converts the geographic position to the Universal Transverse Mercator System coordinates. The output file is named ECJOR2UT. The printout from this file list the UTM's for the wells and borings. A copy of the files generated are attached as Appendix D. The input format is detailed in the front of Appendix D. The report chart was then developed by integrating the vertical positions with the final UTM positions.

#### SURVEYOR'S CERTIFICATE

I, John L. Brey, Registered Land Surveyor, hereby certify that the above described location survey and the enclosed documentation are correct to the best of my knowledge and belief.

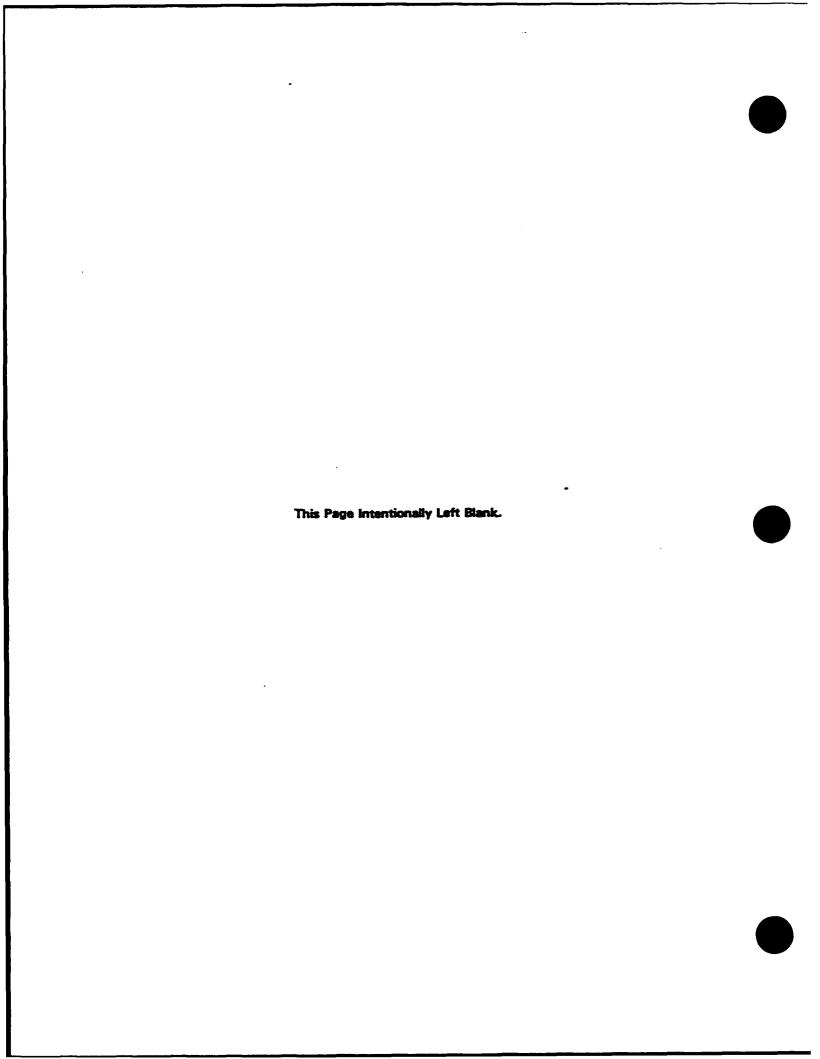
Dated this 2nd day of January, 1990.

John L. Brey, R/S-1319 Vierbicher Associates, Inc. 940 East Main Street Reedsburg, WI 53959

## HONITORING WELL AND SOIL BORING LOCATIONS BADGER ARMY ANNUNITION PLANT TASK ORDER HEMORANDUM \$ 2

#### OLEUM PLANT AND POND

	OLEUM PLANT AND	POND				
MONITORING				ELEVATION:	5	MONITORING
WELL OR	UTH	UTM	· GROUND	WELL	TOP	WELL OR
SOIL	morthing (Y)	EASTING (X)	SURFACE	riser	Protecti ve	SOIL
BORING	METER	METER			CASING	BORING
OPB-89-01	4,806,589.3	278,473.5	929.1			OPB-89-01
OPB-89-02	4,806,712.2	279,061.7	875.3			OPB-89-02
OPB-89-03	4,806,681.2	279,113.9	870.1			OPB-89-03
OPB-89-04	4,806,655.3	279,098.0	872.4			OPB-89-04
OPB-89-05	4,806,681.0	279,160.4	883.6			OPB-89-05
OPB-89-06	4,806,613.5	278,662.1	932.8			OPB-89-06
OPB-89-07	4,806,605.1	278,621.4	932.8			OPB-89-07
OPB-89-08	4,806,600.5	278,584.4	933.3			OPB-89-08
OPB-89-09	4,806,585.6	278,519.9	932.2			OPB-89-09
OPB-89-10	4,806,671.3	278,565.8	932.8			<b>02B-89-1</b> 0
OPB-89-11	4,806,629.2	278,566.2	932.8			OPB-89-11
OPB-89-12	4,806,539.6	278,586.0	925.6			<b>02B-89-12</b>
OPB-89-13	4,806,516.3	278,471.9	929.6			OPB-89-13
OPH-89-01	4,806,487.9	278,550.8	924.3	925.99	926.23	OPH-89-01
OPH-89-02	4,806,578.0	279,241.0	877.6	879.46	879.61	OPM-89-02
OPM-89-03	4,806,289.5	278,932.9	928.2	929.75	929.98	OPH-89-03
	NITROGLCERINE PON	D				
NPH-89-01	4,804,671.6	279,174.7	861.5	862.77	863.03	NPM-89-01
	ROCKET PASTE AREA	1				
RPM-89-01	4,803,845.3	279,502.4	886.2	888.65	888.83	RPM-89-01
RPM-89-02	4,803,851.0	279,100.8	873.0	874.76	874.95	RPH-89-02
	OLD ACID AREA					
OAB-89-01	4,805,863.8	276,115.0	873.5			OAB-89-01
OAB-89-02	4,805,805.0	276,121.7	876.8			OAB-89-02
OAB-89-03	4,805,804.8	279,050.1	875.0			OAB-89-03
OAM-89-01	4,805,744.0	276,076.2	872.2	874.38	874.47	OM-89-01
OAM-89-02	4,805,673.4	276,115.5	872.4	874.91	875.14	OM-69-02
	OLD FUEL OIL TANI	<b>t</b>				
PTB-89-01	4,805,640.9	276,062.2	874.4			FTB-89-01
PTH-89-01	4,805,592.7	276,061.9	872.4	874.27	874.46	FTH-89-01



### APPENDIX A FIELD DATA PRINTOUT FROM SDR-22

This Page Intentionally Left Blank.

JORDAN. PRN	Dec 19,	1989 7:58	a Page 1
5 RCC V03-01.7	19-Dec-89 07:53	atacom Group Ltd. Al Dist : Feet Coord : N-E-Elv	
<b>J</b> 3	Job id JORDAN		
SCALE	S.F. 0.999891900		
N FE OP	Sea level crn:N		
N TE CP	C and R crn : N		
Nu (E CF	Atmos crn : Y		
N E TS	14-Dec-89 09:43		
INSTR	SET Theo (No Text) V.obs: Zenith P.C. Tmm 0.000	EDM <no text=""> Serial no 000000 EDM o/s <null></null></no>	Serial no 093118 Mount:not applc Refl c/s <null></null>
P ≥ KI 0029	Nrth 501768.430 Code MON	East 2074666.2B0	Elv <null></null>
KI 0028	Nrth 501744.430 Code MON	East 2076165.990	Elv <null></null>
S TE TS	14-Dec-89 10:05		
37N TY 0028	Nrth 501744.430 Theo ht (Null)	East 2076165.990 Code MDN	Elv (Null)
41:1105	Press 29.50 inHg	Temp 5.0 F	
3 % F1 0028-0029	Dist <null></null>	V.obs 90-11'15"	H.obs 0-00'00"
DBS MD 0028-0300	Dist 2619.070 Code Mult dist#1	V.obs <null></null>	H.obs (Null)
DBS MD 0028-0300	Dist 2619.070 Code Mult dist#2	V.obs <null></null>	H.obs <null></null>
ე⊳5 F: 0028-0300	Dist 2619.070 Code PK	V.obs 90-30'50"	H.obs 55-25'30"
T. JET	Target ht 4.700		
j : F; 0028-0029	Dist <null> Code MON</null>	V.obs 90-10'00"	H.obs 359-59°55"

Jordan. Prn	Dec 19,	, 1989 7:5	58a Page 2	
C 8 MD 0028-0300	Dist 2619.060 Code Mult dist#1	V.obs (Null)	H.obs (Null)	·
C 3 MD 0028-0300	Dist 2619.060 Code Mult dist#2	V.obs (Null)	H.obs (Null)	
7 357	Target ht (Null)			
OBS F1 0628-0300	Dist 2619.060 Code PK	V.obs 90-30'55"	H.obs 55-25'30"	
SET TV 0028	Count 002			
E 3 MC 0028-0029	Dist (Null) Code MON (SIAGE CO	V.ang 90-11'15" ouwe DisT)	Azmth 270-55'00"	Hara Sind Dis-
C 3 MC 0028-0300	<b>1</b>	V.ang 90-30'53"	Azmth 326-20133"	7518.603
F 3 TV 0300	Nrth 503924.065 Code PK	East 2074714.690	Elv <null></null>	
E B TV 0028-0300	Azmth 326-20'33"	H.obs 55-25'30"		
SIN TV 0300	Nrth 503924.065 Theo ht <null></null>		Elv <null></null>	
N TE TS	14-Dec-89 10:47			`
C B F1 0300-0028	Dist <null> Code MON</null>	V.obs 89~36'20"	H.obs 0-00'00"	
C 5 ME 0300-0301	Dist 1296.380 Code Mult dist#1	V.obs <null></null>	H.ors (Null)	
PPS MD 0300-0301	Dist 1296.400 Code Mult dist#2	V.obs <null></null>	H.obs (Null)	
OBS F: 0300-0301	Dist 1296.390 Code PK	V.obs 89-41'35"	H.obs 115-37'55"	
OBS F: 0300~0028	Dist <null> Code MON</null>	V.obs 89-33'20"	H.obs 359-59'55"	
ObS MD 0300-0301	Dist 1296.380 Code Mult dist%1	V.obs (Nu 1>	H.obs (Null)	
G_3 MD 0300-0301	Dist 1295.400 Code Mult dist#2	V.obs <null></null>	H.obs (Null)	
L S F1 0300-0301	Dist 1296.390	V.obs 89-41'30"	H.obs 116-38'00"	

٠.

JORDAN, PRN De: 19. 1983 7:58a Page 3 Code PK Count 002 SET TV 0300 E 8 MC 0300-0028 Dist (Null) V.ang 89-34'50" Azmth 146-20'33" Code MON C 3 MC 0300-0301 Dist 1298.354 V.ang 89-41/33" Azmth 262-58'33" 7 = 3 = 7 Code PK F 3 TV 0301 East 2073428.224 Nrth 503765.557 Elv (Null) Code PK N TE TS 14-Dec-89 11:20 East 2073428,224 SIN TV 0301 Nrth 503765.557 Elv (Null) Theo ht (Null) Code PK Dist (Null) V.obs 90-19145" H. obs 0-00'00" D_3 F1 0301-0300 Code PK C 3 MD 0301-0302 Dist 395.110 V.obs (Null) H.obs (Null) Code Mult dist#1 6 8 MD 0301-0302 Dist 395.080 V.obs (Null) H.obs (Null) Code Mult dist#2 1 0301-0302 Dist 395.095 V.obs 94-12'40" H.obs 169-02'40" Code OPM8902 Count 002 B F TV 0301 gss MC 0301-0300 Dist (Null) V.ang 90-18/45" Azmth 82-58'33" Code PK Ope MC 0301-0302 Dist 095.084 V.ang 94-12*40" Azmth 252-01'13" Code OPM8902 G_3 F1 0301-0300 Dist (Null) V.obs 90-21105" H.obs 0-00'00" Code PK Dist 683.450 V.obs <Null> H. obs (Null) 2 3 MD 0301-0303 Code Mult dist#1 Dist 683.430 V.obs (Null) H.obs (Null) ) ; MD 0301-0303 Code Mult dist#2 Dist 683.440 V.obs 92-06'40" H. obs 204-36'15" 3 F1 0301-0303 Code 0P88905 3 T TV 0301 Count 002

JORDAN.PRN	Dec 1	9, 1989	7:58a Page 4
E 3 MC 0301-0300	Dist (Null) Code PK	V.ang 90-21'05"	Azmth 82-58'33"
013 MC 0301-0303	Dist 683.421 Code OP88905	V.ang 92-06'40"	Azmth 287-34/48"
OPS F1 0301-0300	Dist (Null) Code PK	V.obs 90-20145"	H.obs 0-00100"
אסדב דב	14-Dec-89 11:35		
C 3 MD 0301-0304	Dist 861.080 Code Mult dist#1	V.obs (Null)	H.obs (Null)
E 3 MD 0301-0304	Dist 861.010 Code Mult dist#2	V.obs (Null)	H.obs (Null)
C 3 F1 0301-0304	Dist 861.045 Code DPB8904	V.obs 92-09'45"	H.obs 194-41'10"
S / TV 0301	Count 002		
DBS MC 0301-0300	Dist (Null) Code PK	V.ang 90-20145*	Azmth 82-58'33"
OBS MC 0301-0304	Dist 861.021 Code OPB8904	V.ang 92-09145"	Azmth 277-39'43"
CLS F1 0301-0300	Dist (Null> Code PK	V.obs 90-11'25"	H.obs 0-00'00"
S 3 MD 0301-0305	Dist 928.830 Code Mult dist#1	V.obs (Null)	H.obs (Null)
C 3 MD 0301-0305	Dist 828.920 Code Mult dist#2	V.abs (Null)	H.obs <null:< th=""></null:<>
C 3 F1 0301-0305	Dist 928.875 Code OPB8903	V.obs 92-04:45"	H.obs 201-06/20"
S 7 TV 030:	Count 002		
OBS MC 0301-0300	Dist <null> Code PV</null>	V.ang 90-11/25"	Azmth 82-58'33"
DES MC 0301-0305	Dist 828.852 Code 0P88903	V.ang 92-04/45"	Azmth 284-04'53"
Gu3 F1 0301-0300	Dist <null> Code PK</null>	V.obs 90-21/30"	H.obs 0-00'00"
C 3 MD 0301-0306	Dist 1022.960	V.obs (Null)	H.obs (Null)

.

JORDAN. PRN	Dec 19,	1989 7:58	Ba Fage 5	
	Code Mult dist#1			
J#S MD 0301-0306	Dist 1022.960 Code Mult dist#2	V.obs (Null)	H.obs (Null)	
CLS F1 0301-0306	Dist 1022.960 Code OPBB902	V.obs 91-52/35"	H.obs 203-54/30*	
E 7 TV 0301	Count 002			
C 3 MC 0301-0300	Dist (Null) Code PK	V.ang 90-21'30"	Azmth 82-58'33"	
CTS MC 0301-0306	Dist 1022.931 Code OPB8902	V.ang 91-52'35"	Azmth 286-53'03"	
3FT TV 0301	Count 005			
2 3 MC 0301-0300	Dist <null> Code PK</null>	V.ang 90-18/42"		red is t
1 5 MC 0301-0306	Dist 1022.931 Code OPB8902	V.ang 91-52'35"	AR 203°54'30" Azmth 286-53'03"	1023 372
2 5 MC 0301-0305	Dist 828.852 Code OP88903	V.ang 92-04'45"	4£ 201 66 20" Azmth 284-04'53"	\$27.0 m
MC 0301-0304	Dist 861.021 Code OPB8904	V.ang 92-09'45"	Azmth 277-39'43"	T60.73.5
3 MC 0301-0303	Dist 683.421 Code OP88905	V.ang 92-06'40"	AR 364°36'15" Azmth 287-34'48"  AR 33'02'55	683 773
275 MC 0301-0302	Dist 395.084 Code DPM8902	V.ang 94-12'40"	Azmth 252-01'13"	53-,3-7
PDS TV 0306	Nrth 504062.464 Code OP88902	East 2072450.018	Elv (Null)	
PCS TV 0305	Nrth 503967.062 Code OP88903	East 2072824.894	Elv (Null)	
POS TV 0304	Nrth 503880.261 Code DPB8904	East 2072575.590	Elv (Null)	
	Nrth 503971.813 Code OP88905		Elv <null></null>	
	Nrth 503643.945 Code DPM8902	East 2073053.488	· Elv <null></null>	
E 3 TV 0301-0306	Azmth 286-53'03"	H. obs <u>20</u> 3-54'30"		

.

.

.

JORDAN.PRN	<b>De</b> c 19,	1989	7:58a	Page 6
C E TS	14-Dec-89 11:50			
F TV 0301-0306	Azmth 286-53'03"	H.obs 203-54'30	) <b>"</b>	
Bs F1 0301-0300	Dist <null> Code PK</null>	V.obs 90-19'30'	' H.obs	0-00*00"
EL MD 0301-0307	Dist 2785.010 Code Mult dist#1	V.obs (Null)	H. obs	<null:< th=""></null:<>
E MD 0301-0307	Dist 2785.010 Code Mult dist#2	V.obs <null></null>	H. obs	<nu11></nu11>
IE F1 0301-0307	Dist 2785.010 Code PK	V.obs 89-32'25"	H.obs	179-47'30"
N F1 0301-0300	Dist <null> Code PK</null>	V.obs 90-20'30"	H. obs	359-59'45"
N MD 0301-0307	Dist 2785.000 Code Mult dist#:	V.obs <null></null>	H. obs	<nu11></nu11>
MD 0301-0307	Dist 2784.990 Code Mult dist#2	V.obs <null></null>	H. obs	<nu11></nu11>
)PS F1 0301-0307	Dist 2784.995 Code PK	V.obs 89-32'30"	H. obs	179-47120"
JOTE TS	14-Dec-89 12:05			
). F1 0201-0300	Dist (Null) Code PK	V.obs 90-22/05"	H.obs	359-59150"
): MD 0301-0307	Dist 2785.010 Code Mult dist#1	V.obs (Null)	೫. ರಶಿಕ	(Nul1)
3 MD 0301-0307	Dist 2784.980 Code Mult dist#2	V.obs (Null)	H.obs	<null:< th=""></null:<>
) : F1 0301-0307	Dist 2784.995 Code PK	V.obs 89-32*20"	H. obs	179-47' 15"
37-TV 0301	Count 002	•		
DBS MC 0301-0300	Dist <null> Code PK</null>	V.ang 90-20/42"	Azmth	82 <b>-5</b> 8' 33"
Jud MC 0301-0307	Dist 2784.922 Code PK	V.ang 89-32'25"	Azmth	262-46'03"
) ; F1 0301-0300	Dist <null></null>	V.obs 90-20135"	H. obs	0-00*00*

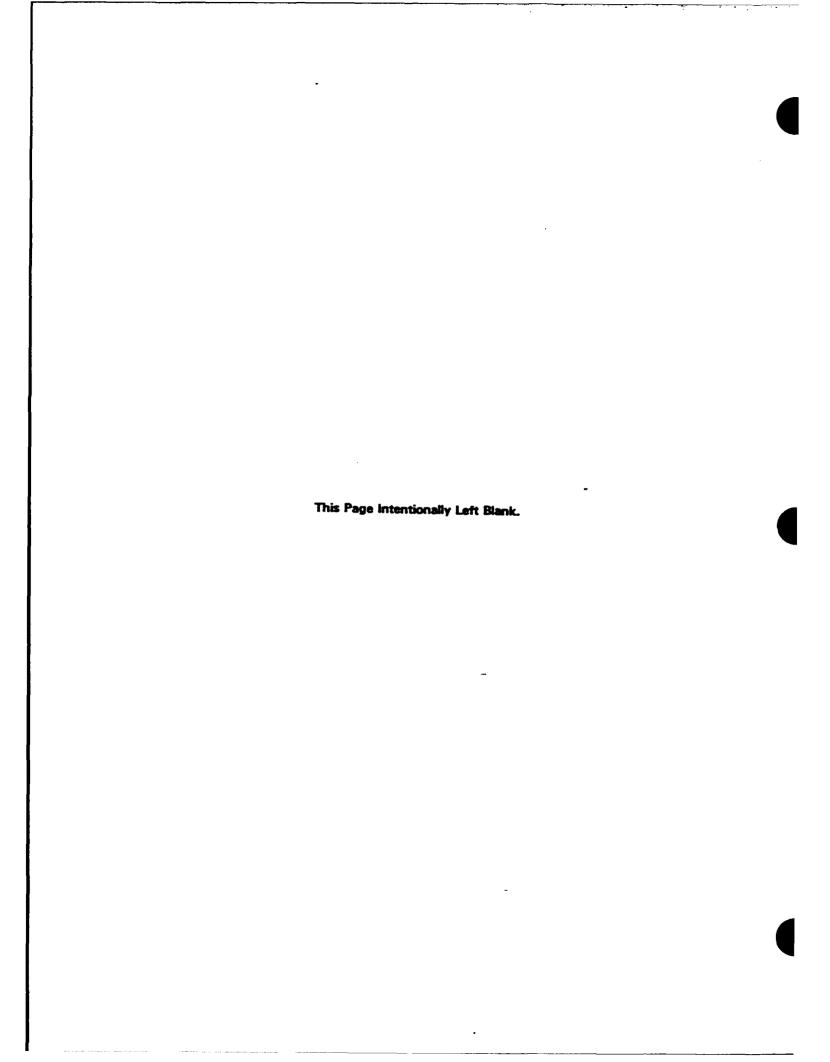
JORDAN. PRN	Dec 19,	1989 7:59	Page 7	
	Code PK			
80€0-10€0 DM 6aC	Dist 84.240 Code Mult dist#1	V.obs <null)< th=""><th>H.obs (Null)</th><th></th></null)<>	H.obs (Null)	
3 MD 0301-0308	Dist 84.260 Code Mult dist#2	V.obs <null></null>	H.obs <null></null>	
3 8 F1 0301-0308	Dist 84.250 Code \$831151	V.obs 100-20'40"	H.obs 80-31'55"	
E F TV 0301	Count 002			
275 MC 0301~0300	Dist <null> Code PK</null>	V.ang 90-20135"	Azmth 82-58'33"	
JRS MC 0301-030B	Dist 84.248 Code \$831151	V.ang 100-20'40"	Azmth 163-30'28"	
NOTE TS	14-Dec-89 12:20			
E 7 TV 0301	Count 003			
273 MC 0301-0300	Dist <null> Code PK</null>	V.ang 90-20'38"	_	
10 0301-0308	Dist 84.248 Code 5831151	V.ang 100-20'40"	AR 8417. 55 Azmth 163-30128"	72.278
JBS MC 0301-0307	Dist 2784.922 Code PK	V.ang 89-32125"	Azmth 262-46'03"	279-1531
POS TV 0305	Nrth 503686.097 Code \$83:151	East 2073451.749	Elv <null></null>	
903 TV 0307	Nrth 503414.997 Code PK	East 2070665.847	Elv <null></null>	
3 ! TV 0307	Nrth 503414.997 Theo ht (Null)	East 2070685.847 Code PK	Elv (Null)	
1 'E TS	14-Dec-89 13:37			
3TN TP 0307	Nrth 503414.997 Theo ht <null></null>	East 2070665.847 Code PK	Elv <null></null>	
3KB TF 0307~0301	Azmth 82-46'03"	H.obs 0-00'00"		
) ; F1 0307-0301	Code PK	V.obs 90-33'35"	H.obs 0-00'00"	
3 ; MD 0307~0309	Dist 201.110			

JORDAN.PRN			58a Page 8
		- در-بیراس	1.036 AR 54° 37 36°
JES MD 0307-0309	Dist 201.110 Code Mult dist#2	V.obs (Null)	H.obs (Null) (77 5
Pub TP 0309	+0. <i>N</i> Nrth 503267.033 Code DPMB901	East 2070801.943	Elv (Null) 17 5
	Dist 246.380 Code Mult dist#1	V.obs <null></null>	H.obs (Null)
1 3 MD 0307-0310	Dist 246.880 Code Mult dist#2	V.obs (Null) GRID DIST = 246.7	H. obs (Null) 78 AR 1° 14'05
: ) TP 0310	Nrth 503440.782 Code OPB8912	East 2070911.274	Elv (Null) 245 £
: ; MD 0307	Dist 141.280 Code Mult dist#1	V.obs <null></null>	H.obs <null></null>
	Dist 141.290 Code Mult dist#2	V.obs <null></null>	H.obs <null></null>
379 MD 0307	Dist 141.240 Code Mult dist#1	V.obs <null></null>	H.obs <null></null>
JFS MD 0307	Dist 141.240 Code Mult dist#2	V.obs <null></null>	H.obs (Null)
JBS MD 0307	Dist 141.240 Code Mult dist#1	V.obs <null></null>	H.obs <null></null>
388 MD 0307	Dist 141.230 Code Mult dist#2	V.obs <null></null>	H.obs (Null)
ელმ MD 0307	Dist 141.240 Code Mult dist#1	V.obs (Null)	H.obs <null></null>
513 MB 0307	Dist 141.240 Code Mult dist#2	V.obs <null></null>	H.obs (Null)
E TS	14-Dec-89 13:52		
205 MD 0307	Dist 141.230 Code Mult dist#1	V.obs (Null)	H.obs (Null)
OBS MD 0307	Dist 141.230 Code Mult dist#2	V.obs <null></null>	H.obs <null></null>
385 MD 0307	Dist 141.230 Code Mult dist#1	V.obs <null></null>	H.obs <null></null>

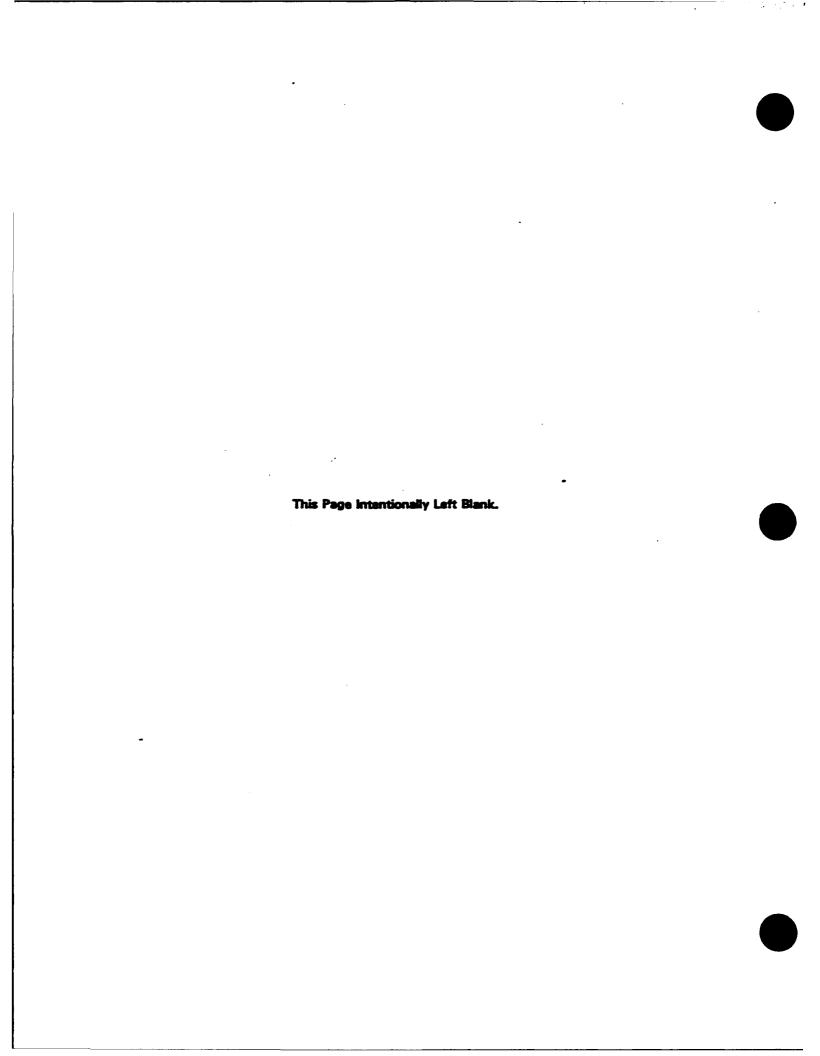
j

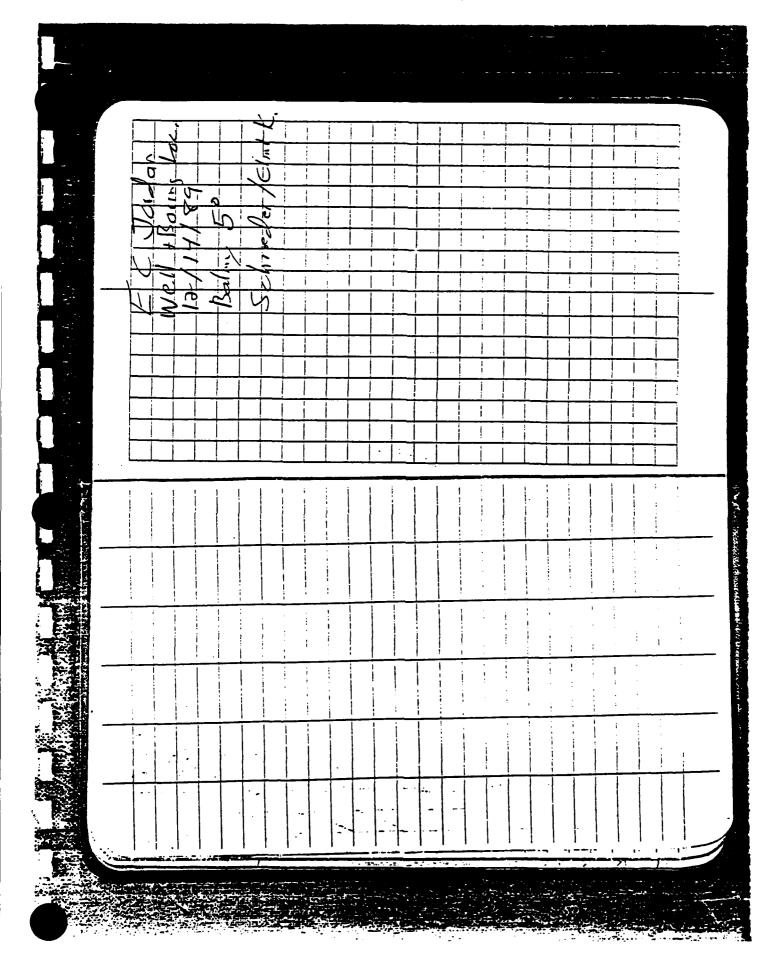
JORDAN. PRN	Dec 19,	1989	7:58a Page 9
3 MD 0307	Dist 141.230 Code Mult dist#2	V.obs <null></null>	H.obs (Null)
3 3 MD 0307	Dist 141.230 Code Mult dist#1	V.obs <null></null>	H.obs (Null)
JPS MD 0307	Dist 141.230 Code Mult dist#2	V.obs (Null)	H.obs <null></null>
POS TF 0311	Nrth <null> Code OPB8913</null>	East (Null)	Elv <null></null>
3KB TF 0307-0301	Azmth 82-46'03"	H.obs (Null)	
3 `F1 0307-0301	Dist <null> Code PK</null>	V.obs 90-30'05"	H.obs <null></null>
P + TP 0312	Nrth <null> Code OP88913</null>	East <null></null>	Elv <null></null>

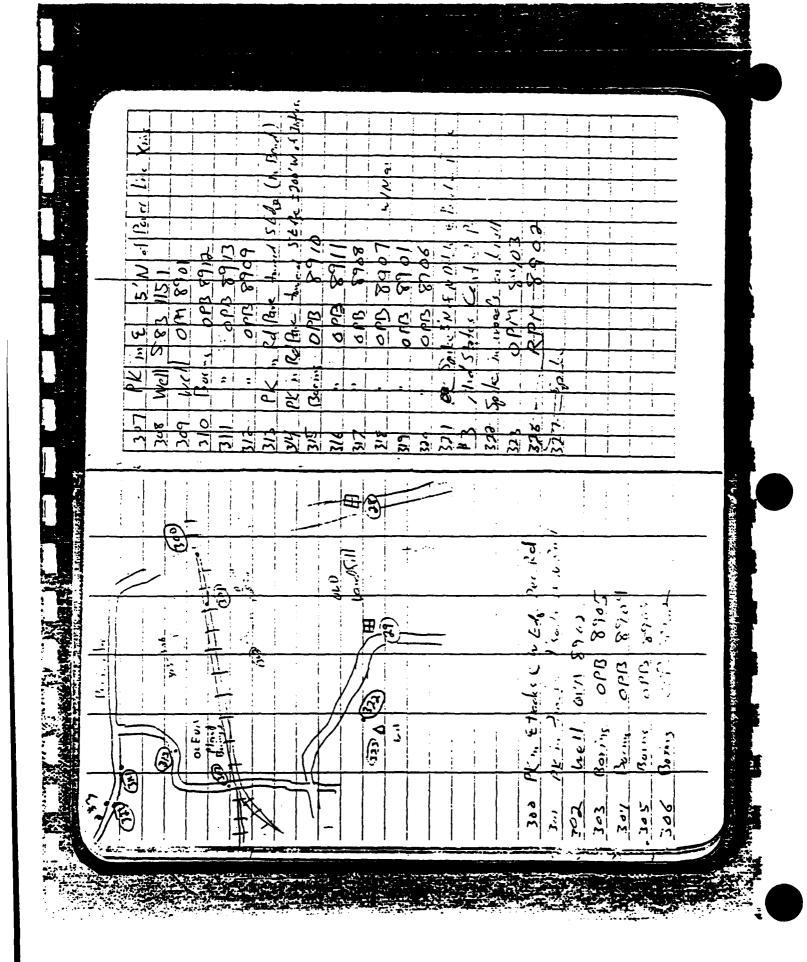
^{*} Ind of Report *



# APPENDIX B HORIZONTAL AND VERTICAL SURVEY FIELD NOTES







(32) (311   160'15'   141,2 6 1111,1   150'15'   141,2 6 1111,1   150'15'   141,2 6 1111,1   150'15'   141,2   150'15'   141,2   150'15'   141,2   150'15'   141,2   150'15'   141,2   150'15'   141,2   150'15'   141,2   150'15'   141,2   150'15'   141,2   150'15'   141,2   150'15'   141,2   150'15'   141,2   150'15'   141,2   150'15'   141,2   150'15'   141,2   150'15'   141,2   150'15'   141,2   150'15'   141,2   150'15'   141,2   150'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   140'15'   1	02 CM 1 1/11		12.5 H	7	113 F.S. Ever	8/3.72 15.49 9/3.54 806 02 14.16 . 899.76 878 16 16.48 895.64	2000	12.14 898.68	)
332 7 11				P,		27400	2 4 × ch		,
(30) (311   160° 15'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'   190° 60'	• •	3		7 2 3		i n	20 -	155	 
(30) 311 [60] 15 30.7 [31.	M12 6 1111	0, 28,4.32,0	3 45 163 47 3 640.5	462.11 6,116	6/3:27/60/66	1, 6. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	7.08 50 108 31	11 55 10 05 15 772) 26 3728"	
35. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0	41.7	70 6/107	5°31' 5'18' 1'29'	Ŝ .	7 9	16:30 50	13 1	<del></del>
		501/301/313	313		6/2/	13/314/32		102 (13/6/37	

. . .

1 4 4 5 7

•

	7.73 8/5.25	7.85 930 1.595	510E Loof	3796 1030 936.59 3.8.1 932.8	0.88.10	23 6 25 6 2 6 2 6 2 6 2 6 2 6 2 6 2 6 2 6	6.92 93865 637		8913. 5.38 93113 13895 935.15	Goily 625.93	2.5	6.20 932-43 4/90	514 Lang 3174 SiA Lang	
	; i i .	81 JL 797618 11 11 18 18 18 18 18 18 18 18 18 18 18 1	8 877.6	890.17 T.P.1° 903.07. OFB	905.88. OPB	905.88 0113	S. 0	20752 1910 89.09 80 00 10 80 00 00 00 00 00 00 00 00 00 00 00 00	2.870.1 JP 21	ii	882.93	907.52		
1007 J	138 899.49	9.02 890.80 13.16	11.3.18	7530 5650b 81.51	dao	4.64 910.52	JOE 100/	0.28 90780	136 88494	1	3.40 896.33	12.99 90.75 1.5.	77.67	
3015	TP 8	TP 10 8902	H.P. PVC	11 9 11	169	1.7 601	1 b <b>4</b> l > (c · 1	+ P 400/3	0	Barry 010 8901	10/5 00/2 00/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0/10/2 0	777.13 6.1	35	 

. ...

		ē			-	<u></u>	=	_	1 .	1	T	Τ	<del>-</del>	_ ·_	<u> </u>	-	138"	50	, <u> </u>	57.339	2.863	,22,	.025	5 8 W	3 - 3 4
		0		9	·		13										35		19.6	68.0 15.51		75		34	,
		. <del> </del> -	1 - 1	=	<u> </u>	- / ×	(a.	-			!						270	8	9	5/15	29.6	1110	00	23.8	
_	-					:	<del></del>		,	15.		4.5			`		27,00	00	2/30"	1551	723	55	01.50	a.	
								<b>—-</b>				! !			. !	-	<i>&amp;</i>		38 3	בן	i	37	20,	<del></del>	
<u>-</u>								_ <u>_</u> _						- 1			<u>~</u>	_	<u>'</u>	5.	0	وبن	6	<u>.</u>	
1.3€.4  -	-	<u> </u>					: 	<del></del> ;	÷ =	<u>ر</u> د			:	:	-	:		20	0		~ ~	ī	12	Ž	_
				•			·		:			<u> </u>		<u> </u>	:		ارد در			1.51	0	.; <u>Ş</u>	<u> </u>		
					:				i			;		1	:	:	2	<u>، صر،</u>	क्ष	1551	200	*	7	<b>⇒</b> _	
									:					•	-	:	7	324	25	1:1	20	2	7	12.78	
	- :		:		-	<del></del>			-		-			-			1/32	7/3	9/3	132	5/32	325/37	323/27	323/242/178	
			:	j				. !		·					ij	: -	670		10		1385/	2		22	
	35	اما ا	<b>-</b>	<u>ام</u> ا	· .	اما		ا کا -	اہے	À.	2 g		اہ	اند	द्धी		. 1	-	<u> </u>	_	.	ļ		!	
	926 285	931565	338,865	934.865	86626	929.75	928.3	933,575	92222	81.7%	915.4K/148	924.03	219.40	68.8%	922.42	130.113 ELOSORE 10.015-	13	T N						İ	
	. 6	į	2	ï						1	1	_	15	Í		100		<u>. 8</u>				+		<del>-                                    </del>	
		0.80	111	13.17	9.52	1.75	136	5.93	14.035	8.10	888	031	が	183	3.71	10301			·-	0	- 6	_ .	_		
	<u> </u>		- [		3	<u> </u>				7:		$\neg \neg$		. 1	71		ا:زك	SO	-	7	4		3		_
	900	940.005	948.035	939.505				936.245	922.88	924.34		931.12	923.78	926.13		-3:45-		-67-1-11		-	eclet	2062 Wd	3	1068	
_	7	<u>- 0</u>	<u>0</u> :	0								99	1	- 1		Ü		7	>		1-1	2	8	7	_
		- <del>-</del> -	1.17	1.87				19.5	0,66	95%		7.0	438	7.24	Ì	127.92		1		>	4.1	$\mathcal{S}$	77	RF	
		, <del>, , ,</del>							· · ·			, 1				W 1		7	. ;	hã	51.16	~		~	
				İ	1x11 0PM 845 51.01	PVC	6,16	;   			al Cosis				•	ر ا	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Par KE		liel	4	12.1	چې	1100	
	1 0	16.25	į		184			TP 26	727	<b>b</b>	5/132 51	1029	7030	1691	1 20,000 A	No.	THE REAL PROPERTY.	74	)	7	1.		1	£ :	
		<u> </u>	-	N.	7	į	; ;	17	10	8611	12	0	d	0	ર પ	.3	7	$\Lambda$		4224	2	2	R	٦.	
	9	11. 11 16 7 7	7024	7725	3	i !	;	1	=	1	15	1	~	. +	Del	2	į, v		-	*	4325	#326	5	# 323	

E with find the man district the first term of the second second to the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second

Jan.		3.	^	ي ل						1. : 1.		70 ME	1.8112 MJH QV	-	
· ·	51	T	1.	II	F.	£100			#	#	#	#	Щ		
$\leq$	Mercury			885.87		68336					- !	ارة	211115		
	1727		1.4	887.67	1	8/8.44			<u></u>						
	TP 33		2.0	-	1	884.87	1	:	<del></del>		3			- 1.	
	1634		2.76	83/.55		878.79		+			2 2	100		der.	1:0
=	WIT RAISON A PUC	2 PVC			6.79	874.76		j		:					2
		6.4			.es.8	873.0		;		//	<		``		•
	,	Sirel	4.52	14.618	6.30	874.95			:	- :		1		-	1
	1635		6.32	883.79	2.00	147.18		:	:		بمد				
۔	7636		F.	888.97	3.3.1	880,55				=	3	1001			
	Well RPH 8 po Puc				0.32	888.65		; ;	-				-		
	,				2.75	2.988			-					-	, · · ·
_		,	2.消死	891.28 0.14	0.14	8883	·					-		-	· -
<u> </u>	TP 37		4.34	889.33	6.29	88499	104	40	1183		885.66	28.0	873	2	Τ.
	7638		4.23	885.08 8.48	8.48	880.85	Vel 5/12:	2. 2.2				5.77	<del>↓</del>	3	2
-	7039(	11 5 K	1967	880.748.35	8.35	P76.73		V	9, 3,5	, L	;      (		<del></del>	] 	· ·
~_	7 p 40	1,5%	5.50	881.07	5.17	875.57		7	<b>^</b>		<u>~</u>	15.68			-
	5///5	7 7		_					, C	3	214	1		-	_
	Approv +				1.37	11.101.11	•		رم		2/12			<u>·</u>	<del>,</del>
	1/1 0/-			15.488	2.02	879.05			7/05	٠,	0,025	1 %		:	•
in a	TP 48	See P. 2. 1	1:01	878.89	_	877.88						M		-	•
-	7743		3.3.5	873.09		14.638			!					-	
-31	ا ـــا	Pro PV	Y		10.32	862.77			<u> </u>	!		<u> </u> 		<u> </u>	
	ł				11.62	861.5						-	$\perp$	$oldsymbol{\perp}$	
1	:	5	13.6%	876.69	10.06	863.03				i	:	1		_	
جنست س			1							!				}	
زيد	چر <u>ي</u>	_			_	<del></del>				_					_
1	ď									İ					1

1.3

234, 126, 214, 17 (31) 319, 15 10 100, 214, 17 (31) 319, 15 10 100, 214, 17

	11					ĺ		4	; 6									1
WILL CAT 870 1 5.98 880.52 354  TP 46 404 408 881.52 3.54  TP 47 401 408 881.52 3.54  TP 48 401 574 401 876.94 8.77  TP 48 41.79 877.24 41.71 870.14 41.71 870.1 8.85  WELLOAM 870.5 5.40  OAB 870.5 5.40  OAB 870.5 5.40  TP 50 50 5.70  TP 50 50 5.70  TP 50 50 5.70  TP 50 50 5.70  TP 50 50 5.70  TP 50 50 5.70  TP 50 50 5.70  TP 50 50 5.70  TP 50 50 5.70  TP 50 50 5.70  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.10  TP 50 6.1	•	(1)	5	17	5 /	110	-	-	-		-	_	-		-			
### FF 48 87046 5.40  TP 46 41.1 408 88152 3.54  TP 48 41.1 876.94 8.77  ### 6.41.1 876.94 8.77  ### 876.1 876.94 8.77  ### 876.1 876.94 8.77  ### 876.1 876.1 876.94  ### 876.1 876.1 876.94  ### 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876.1 876							į	-	•				•			- <u> :</u>		
TP 45 5.13 88098 5.40  TP 46 6.11 4.08 881.52 3.541  TP 47 4.119 876.94 8.77  TP 48 4.17 876.94 8.77  TP 48 4.79 877.24 4.47\$  OAIS 870.5 5.10  OAIS 870.5 5.10  OAIS 870.5 5.10  OAIS 870.5 5.10  OAIS 870.7 5.10  OAIS 870.7 5.10  TP 51 5.10  TP 51 5.10  S 5.105  S 5.105  S 5.105  S 5.105  S 5.105		Gen., 1, 1	3.98	880.46		34768	寸	<u>'</u>	- :	:			<del></del> -	i				
TP 46 . 17.1 4.08 881.52 3.541  TP 47 4.11 876.94 8.771  TP 48 4.17 876.94 8.77 4.17 6.17 87.27 4.17 6.17 8.17 6.10 6.10 6.10 6.10 6.10 6.10 6.10 6.10		77.15	5.73	88008	!	\$75.06		<u>:</u> 	:	•	<del></del>		:		1			
WILL FTM 8901 51-11 87694 8.77 8 9.48 9.48 9.48 9.48 9.48 9.48 9.48 9.	,	<u></u>	4.08	881.52		111118		<u> </u>	i	•		į	··					
WILL FTM 8901 74.1 3.48 8  TO 48 4179 87724 41718 8761 4.54 6.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8		That	4.19			872.75		;										
70 48 41.79 877.24 44.74 2.85 4.79 877.24 44.74 2.85 2.85 2.85 2.85 2.85 2.85 2.85 2.85	1 34	1 1 1 m	T .			9h h18								· 	:	! ! :	<u> </u>	
51			PVC		i	874.27										<del>!</del>	<del>!</del>	-
51-4 6.79 87724 4478 5.10 6.4 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7	•	<u> </u>	<u></u>		) :	872.4										<u></u>	<u> </u>	<u> </u>
51 2.85 51 2.10 6 2.33 6 4.85 6 4.86 6 5.05 6 6.17 870.67 2.77 6 7.11 7.11 7.11 7.17 7.17 7.17 7.17 7				1	\$61.h	872.45									:	1	<u> </u> 	<u> </u>
51-1 2.10  6.4 2.33  6.4 2.33  5.05  5.05  6.4 5.05  7.11  4.02 881.77 2.89  5.74 880.39 5.37  5.32 880.39 5.37  5.32 880.39 5.37  5.34.35 54135		PPB 8901		!	2.85	874.4		-		-					:		<u> </u>	<u> </u>
6 4.02 881.77 2.89 5 6.17 880.64 2.77 5.66 5.14 881.77 2.89 5.14 880.38 5.35 5.32 880.38 5.35 5.32 880.38 5.35 5.32 880.38 5.35 5.32 880.38 5.35 5.33 880.38 5.35	1.3	Ι.	7.5			875.14										<u> </u>	<u>!</u>	<u>!</u>
4.85  4.85  4.85  66,  66,  5.05  0AB 8903  0AB 8903  7P 49 R. 1 402, 881.27 3.89  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP 50  TP	-1	1	PVS		Ì	18.418			- - -	<u>!</u> :		:		<u>:</u>		<u>-</u> -	1	<u> </u>
04B 8903 04B 8903 04B 8903 04B 8903 04B 8903 711 04B 8903 711 712 711 711 711 712 712 711 712 712					ł	872.4					-				į	<u>!</u>	!	
0413 8903 0413 8903 0413 8903 0413 8903 711 0413 8903 711 711 711 711 711 711 711 71		19P9 MAO	Pic		1 1	824.38						<del>.</del>	1	1		<u> </u>	-	<u> </u>
0418 8903 0418 8903 0418 8903 711 0418 8903 719 719 981,27 3.89 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50 719 50	יי ר		79		5.05	872.2							·		:	!		_
0413 8903  0413 8903  111  0413 8903  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50  170 50	1		۔ ا	7 880.64	2.77	14.41				-			1					<u> </u>
0AB 8902 TP 49 R. 1 4.02 881.77 2.89 TP 50 5.14 881.27 5.64 TP 51 5.14 880.43 5.35 TP 51 (15) 3.39 880.43 5.35 TP 45 5.32 880.38 5.37 Seulus 5 54.15	T"/"-	8903				875.0		-		<del> !</del>			!				-	_
0AB 8902 TP 49 R.1 4,02 881.77 2.89 TP 50 5.14 881.27 5.64 TP 51 5.14 881.27 5.64 TP 51 5.14 880.37 5.64 TP 51(13) 3.39 880.38 5.37 Sein. 5.32 880.38 5.37 Sein. 5.32 880.38 5.37 Sein. 5.32 880.38 5.37	וט ו	l .			7.11	873.5		-									_	_
70 49 6.1 4.02 881.77 2.89. 70 50 5.14 882.39 4.01 70 51 5.13 880.39 6.35 70 45 5.32 880.38 5.37 66.11.11 5 54135 54135		l 			3.87	8.928		_								<u> </u>	_	
7050 5.14 88.27 5.64  7051 5.135 880.38 5.35  7045 5.32 880.38 5.37  5.32 880.38 5.37  5.405 5.405	1	TP 49 E.		881.77	2.89.	877.75		_								<del>                                     </del>	-	<u></u>
7P51 5-135 882.39 4.01 7P52(131) 3.39 880.43 5.35 7P 45 5.32 880.38 5.37 6e,11 5 54135 5404		1050	5.14	881.27	5.64	876.13	$\dashv$				į		! !		<u> </u>	<u> </u>	_	
7P5p("31) 3.39 88043 5.35 7P45 5.32 880.38 5.37 Sevin  5.32 880.38 5.37 5.405 54.05	1-	7251		F 882.39	4.01	877.26	$\dashv$									<u> </u>		_
5.32 880.38 5.37  Sein  5.32 880.38 5.37  5.90\$  5.405  5.405  5.405	1 -4	TP sp.		880.43	5.35	877.04	$\dashv$									i		
5 54,725 54,175 54,11/	5 1	704				875.06						: ;	-			-	<u> </u>	
54,175 54,175 54,176 54,11/	1 -	. 0					$\dashv$										<u> </u>	
CLOSLAGE			35		54.11			• ••				<del></del>	<u> </u>	:		1		
	_	_	_	sheer	5/9							-						

. :

# APPENDIX C SURVEY TRAVERSE COPUTATIONS AND ADJUSTMENTS

This Page Intentionally Left Blank.

						· <del></del>
3				504904.8300	2070001.3100	
28 EA				501744.4300	2076165.9900	
29			-	501768.4300	2074666.2800	
START 28				501744.4300	0075458 0004	
300	NW	33 39 27.0	2618.886	503924.3004	2076165.9900	· <del></del>
S ART				303324.3004	2074714.5324	- · ·
2E TR	NW	33 39 27.0	2619 602	501744.4300	2076165.9900	
300	SW	82 58 33.0	2618.603	503924.0648	2074714.6892	
301	SW	82 46 3.0	1296.195	503765.5558	2073428.2225	
307 ;	NE		2784.531	503414.9939	2070665.8468	
313	NE	17 19 E.O O 6 40.O	748.332	504129.3986	2070888.6174	
314 TR	NW		640.637	504770.0344	2070889.8598	
ູ່ 321		86 26 42.0	713.243	594814.2603	2070177.9892	
0	NW	62 <b>5</b> 2 17.0 55 <b>5</b> 3 13.4	198.199	504904.6369	2070001.5950	
3	N₩	22 22 12.4	0.344	504904.8300	2070001.3100	
PRECISIO	N RATI	0 = 1 : 2514	1			
	RULE A	DJUSTMENT				
	NW	33 3 <del>9</del> 30.0	2618.696	501744.4300	20761 <b>65.99</b> 00	
300 AJ	SW	82 58 38.2	1296.232	503924.1210	2074714.6063	
301	SW	82 46 8.2	2784.611	503765.6398	2073478.0986	-
307 AJ	NE	17 19 0.4	748.340	503415.1376	207 <b>5.6347</b>	man and an ex-
313	NE	0 6 33.5	640.651	504129.5584	2070888.3815	
314	NW	86 26 38.0	713.266	504770.2079	2070889.6036	· · · · · · · · · · · · · · · · · · ·
321 .AJ—	NW	62 52 16.1	198.207	504814.4491	2070177.7105	
3				504904.8300	2070001.3100	
START		·	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	<del>-</del>		
300	SW	82-58-38-2	1296.232	503924.1210	2074714.6063	
301 57	SW	72 1 18.2	393.975	503765.6398	2073428.0986	
<b>6</b> 02		72 25 6.8	682.883	503644.0368	2073053.3600	
40.5				503971.9123	0070777,1140	

. . . .

· · · .

				= ***.		
بابات (	NW	75 55 1.8	828.217	503680.3653	2072575.4673	
305 55	NW	73 6 51.9	1022.272	503967.1653	2072624.7737	
305			•	504062.5706	2072449.9000	
908 308	SE	16 29 26.8	82.670	503686.1786	2073451.6221	
IN 307	SW	82 46 8.2	2784.611	503415.1376	2070665.6347	
2	SE	42 36 21.8	201.036			6
309 (	NE	84 0 13.2	246.778	503267.1700	2070801.7268	
310 Sa	SW	63 1 8.1	141.200	503440.9173	2070911.0624	<del></del>
311				503351.0757	2070539.8034	*****
! 312	NE	7 52 8.2	170.340	503563.8736	2070688.9555	
IN 313	NE	17 19 0.4	748.340	504129.5584	2070888.3815	
٤	SE	76 37 47.7	266.020	204773.2004	2070000.3013	
355 (	SW	12 50 0.4	266.020	504068.0439	2071147.1915	· · · · · · · · · · · · · · · · · · ·
315				503870.1838	2070629.2938	
55 316	SW	7 35 0.4	. 400.790.	503732.2738	2070835.4893	· * = +==
( 317	SE	1 11 59.6	489.360	503640.3057	2070898.6289	
_						
8 ART 307				503415.1376	2070665.6347	
IN 313	NE	17 19 0.4	748.340	504129.5584	2070888.3815	
ξ	SW	33 <b>8</b> 0.4	643.870			
219 TF	SE	15 33 59.6	. 487.660	503590.3818	2070536.4480	
318 1	ΝE	76 20 0.4 .	136.420	503659.7860	2071019.2488	
320	146	70 20 0.4 .	150.420	503692.0181	2071151.8063	;
E ART		,				
28 *****	NW	89 4 59.4	1499.902	501744.4300	2076165.9900	
29				501768.4300	2074666.2800	
7K 322	NW	67 59 2.4	2728.958 -	502791.4220	2072136.3195	
7	SW	24 23 57.6	142.300			
323 EA			<b></b> -	502661.8311	2072077.5362	•··· <del>-</del>
£ 9				496506.0900	2073031.9900	
10			-	496412.0600	2076909.4500	
E ART						
10 IN	NLI	88 36 39.0	3878.600	496412.0600	2076909.4500	
9					2073031.9900	
٤_ 324	NE	1 53 44.0	881.505		2073061.1480	
1 325	SE	19 21 24.0		.495042.4426		
SS	SW	60 43 6.1				
326 1	SE	B4 32 27.0	722.025		2072915.6788	
327					2074264.9279	
TE:	ar:	7 10 3 6	258.312			

	_						En
	2063570.8600	498494.6500					329
	0005007 1500	100457 5100					:. 330
	2065207.1500	498467.5100	•				
***							Ţ
	2065207.1500	498467.5100	4606 E4E	0.50.0	20 0		30
	2063570.8600	498494.6500	1636.515	2 59.2	89 3	NW	329
,	2063370.8600	736737.6500	849.818	0 52.2	27 20	NW	-
	2063180.4612	499249.4874					331
		F14.609 6619	1038.578	3 39.8	0 43	NE	در
	2063193.6521	500287.9817	1526.405	1 9.2	0 1	NW	332 In
	2063179.9490	500775.8923	10201 400		•		333
			467.420	4 15.8	59 14	SW	ξ
	2062778.2965	500536.8177	261 822	C 15 0	00.00	C	335 SS
•	2062920.2328	500742.2197	261.890	€ 45.8	عد عد	SM	336
	2002720.2020	0007 1212137	329.140	7 49.2	61 17	NW	ξ
** ***	2062891.2534	- 500933 <b>.</b> 9682					337
	00000 <b>0</b> E 434E	EAATTO AGEA	496.340	2 5.8	<b>85</b> 2	SW	338 238
	2062685.4715	500732.9350					336
							START
	2063180.4612	499249.4874					_ 331
	2002102 0504	E00007 0017	1036.578	3 39.8	0 43	NE	332 I
	2063193.6521	500287.9817	381.459	0 4.8	86 30	SW	ī
· · · · · · · · · · · · · · · · · · ·	2062812.9041	500264.7031					234
			234.170	5 54.8	15 45	SW	33
	2062749.2809	500039.3418	95.990	8 19.8	45. 20	SW	339 E
	2062744.4718	500197.3895	33.330	0 13.0	40 20	J.,	340
			112.160	7 14.9	6E 7	NE	
militar t disp	2062915.4633	500310.1065					41
							LIST
	2070001.3100	504904.8300					3
	2073031.9900	496506.0900					9
	2076909.4500	496412.0600					10
·· • <del>-</del>	2076165.9900	501744.4300					28
	2074666.2800	501768.4300					29
<b>-</b> ·	2074714.6063	503924.1210					300
	2073428.0986	503765.6398					301
	2073053.3600	503644.036B	•				302
	2072777.1140	503971.9123					303
		540004 0450					
· · · · · · · · · · · · · · · · · · ·	2072 <b>575.467</b> 3 2072624.7737	503880.3653 503967.1653					304 305
	2072449.9000	504062.5706					305
	2070665.6347	503415.1376					307
	2073451.6221	503686.1786					308
and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	2070801.7268	503267.1700					309
	2070911.0624	503440.9173					310
							311
	2070688.9555	503583.8736					312
	2070888.3815	504129.5584					213
<del> </del>	2070889.6036	504770.2079					4
	0070619 1906	503970 1836					15

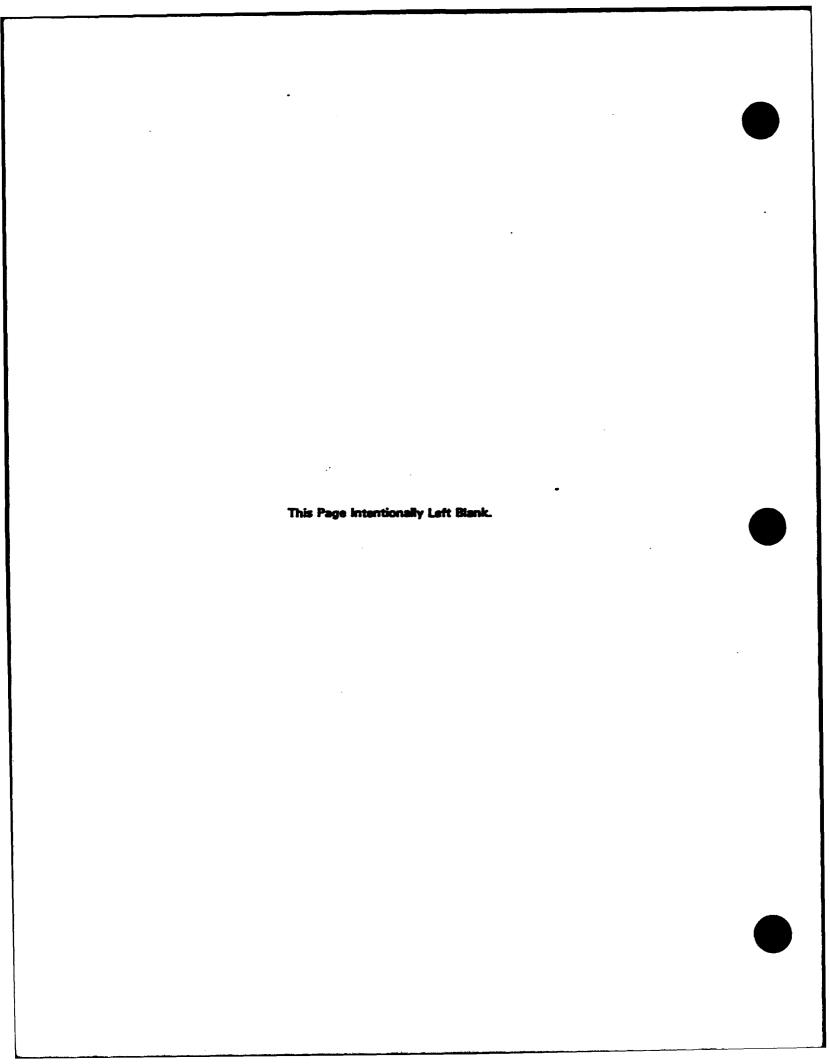
31é	503732,2736	1070635.4883	
317	503640.3057	2070898.6289	
318	503659.7860	2071019.2483	
319	- 503590.3818	2070536.4480	
320	503692.0181	2071151.8063	
321	504814.4491	2070177.7105	
320	502791.4220	2072136.3195	
323	502661.8311	2072077.5362	• ———
324	497387.1126	2073061,1480	
J27	43/30/11120	207500111400	
325	495042.4426	2073546, 1778	
325 326	494688.8825	2072915.6788	
345 327	494973.7517	2074264.9279	
34 <i>1</i>	4343/3./31/	20/4264.52/5	
318	494717.4583	2074232.6982	
329	498494.6500	2063570.8600	
330	498467.5100	2065207.1500	
330	730767.3100	2060207.1000	
331	499249.4874	2063180.4612	
332	500287,9817	2063193.6521	- · · <del>- ·</del>
333	500775.8923	2063179.9490	
	• • • • • • • • • • • • • • • • • • • •		
334	500264.7031	2062812.9041	
335	500536,8177	2062778.2965	
336	500742.2197	2062920.2328	
000			
337	500933.9682	2062891.2534	
338	500732, 9350	2062685.4715	
333	500039.3418	2062749.2809	<del></del> -
<del></del>	2000318418		
340	500197.3895	2062744.4718	_
341	500310,1065	2062915.4633	
<b>₩</b> ** <b>1</b>	20021011000		
			•

( ORDINATES STORED IN FILE JORDAN2_

DATA DISK #4

#### APPENDIX D

COMPUTER IMPUT - OUTPUT FILES UTM CONVERSION FILES



ECJOR	:PC	Jan	2,	1990	3:30p	Page	1
0 010+81+	OP8-89-01			2070536448	5035903	824803	
0020+81+	CPB-89-02			2072449900	5040625	714803	
000030+81+	098-89-03			2072624774	5039671	£54803	
& 040±81±	OPB-89-04 *			2072575467	5038803	654803	
a 050+81+	OPB-89-05			2072777114	5039719	124803	
000060+81+	DPB-89-06			2071151806	5036920	184803	
0 070#6i#	OP8-89-07			2071019249	5036597	864803	
0 080#81#	0 <b>PB-8</b> 3-06			2070898629	5036403	064803	
0000901811	QP9-89-09			2070688955	5035838	744803	
0^^100#81#	OPB-89-10			2070829294	5038701	844803	
0 110+81+	OP8-89-11			2070835489	5037322	744803	
0120+81+	OPE-89-12			2070911062	5034409	174803	
000130+81+	028-89-13			2070539803	5033510	764803	
0 140+21+	OPM-89-01			2070801727	5032671	704803	
0 150+8;+	OPM-89-02			2073053360	5036440	374803	
000160+81+	OPM-89-03			2072077536	5026618	314803	
0 170+81+	NPH-99-01			2073061148	4973871	134803	
0 180+91+	RPM-89-01			2074232698	4947174	584803	
000190+81+	RPM-89-02			2072915679	4946888	854803	
0^^200#91#	DAB-89-01			2062891253	5009339	684803	
0: 210+81+	QAB-89-02			2062920233	5007422	204803	
0220+81+	DAB-89-03			2062685472	5007329	354803	
990230+81+	0AH-89-01			2062778296	5005368	184803	
0: 240#81#	DAM-89-02			2062915463	5003101	064803	
01 250+81+	FTB-89-01			2062744472	5001973	904803	
118+0	FTM-89-01			2062749281	5000393	424803	

3: 110+80+000 OPB-89-01 00-J20+80+000 DPB-89-02 300030#80#000 OPB-89-03 3: 140+80+000 GPB-29-04 34 150+80+000 OPB-89-05 300060+80+000 GPB-83-06 0 170#80#000 OPB-89-07 30-68-840 000+08408 300090+80+000 BPB-89-09 )^100#8G#000 OPB-89-10 ) .10+80+000 OPB-89-11 JL-.20+80+000 OP8-89-12 200130+80+000 OPB-89-13 40+80+000 OPM-29-01 3. .50#80#000 BPM-89-02 300160+80+000 DPM-89-03 704804000 NPM-99-01 80+80+000 RPM-89-01 000190#80#000 RPM-89-02 0-200+80+000 BAB-89-01 0: :10#80#000 DAB-89-02 36-220+80+000 GAB-83-03 300230#80#000 DAM-89-01 3 :40#80#000 OAH-89-02 01 :50+80+000 FTB-89-0: 200260#80#000 FTM-89-01

43225311020N089440483570W 43225771317N089433890411W 43225676517N089433654027W 43225590942N089433721181W 43225680712N089433447714W 43225409466N089435649852W 43225378049N089435829492N 43225359190N089435992913W 43225304112N089440277084H 43225586465N089440085807H 4322545022BN089440078015H 43225162209N089435976940W 43225074641N089440480058U 43224990941N089440125745W 43225355965N089433075097% 43224388972N089434400820H 43215175820N089433092467W 43212535088N089431518573W 43212511181N089423301405W 43222709937N089454846402U 43222520462N089454807900W 43222511947N089455125793W 43222317978N089455000B65W 43222093665N089454816019W 43221982811N089455047962W 43221826689N089455042056W

ECJOR2UT

Jan 2, 1990

3:31p

Page 1

FINAL COORDINATE LISTING FOR 89800

#### MATIONAL GEODETIC SURVEY GP TO UTHS PROGRAM 1927 DATUM

VERSION 1.0

CTATION NAME	LATITUDE (NORTH)	LONGITUDE (WEST)	NORTHING(Y) Meter	EASTING(X) METER	ZONE	CONVER		SCALE Factor	ELEV (H)	GEOID HT(M)
8-89-01	43 22 53.11020	089 44 4.83570	4806589.292	278473.529	16	-1 52	44.69	1.00020369		
9-89-02	43 22 57.71317	089 43 38.9041!	4806712.177	279061.709	16	-1 52	27.01	1.00020048		
OPB-89-03	43 22 56.76517	089 43 36.54027	4806681.190	279113.944	16	-1 52	25.35	1.00020020		
9-89-04	43 22 55.90942	089 43 37.21181	4806655.284	279097.969	16	-1 52	25.79	1.00020029		
8-89-05	43 22 56.80712	089 43 34.47714	4806680.966	279150.411	16	-1 52	23.94	1.00019995		
OPB-89-06	43 22 54.09466	029 43 56.49852	4806613.511	278662.135	16	-1 52	38.99	1.00020266		
nn8-89-07	43 22 53.78049	089 43 58.29492	4806605.144	278621.393	16	-1 52	40.21	1.00020288		
6-89-09	43 22 53.59190	089 43 59.92913	4806600.531	278584.428	16	-1 52	41.33	1.00020308		
<b></b> B-89-09	43 22 53.04112	089 44 2.77084	4806585.637	278519.924	15	-1 52	43.25	1.00020343		
OP8-89-10	43 22 55.86465	089 44 0.85807	4806671.332	278565.824	16	-1 52	42.05	1.00020318		
3-89-11	43 22 54.50228	089 44 0.78015	4806629.245	278566.199	16	-1 52	41.95	1.00020318		
9-89-12	43 22 51.62209	089 43 59.76940	4806539.644	2 <b>7858</b> 6.030	16	-1 52	41.15	1.00020307		
9-13	43 22 50.74641	089 44 4.80058	4806516.342	278471.927	16	-1 52	44.58	1.00020363		
-01	43 22 49.90941	089 44 1.25745	4806487.905	278550.811	16	-1 52	42.11	1.00020328		
: 1-89-02	43 22 53.55965	089 43 30.75097	4806578.038	279240.984	15	-1 52	21.26	1.00019951		
OPM-89-03	43 22 43.88972	089 43 44.00820	4806289.476	278932.893	16	-1 52	30.04	1.00020118		
<b>₩9H-89-</b> 01	43 21 51.75820	089 43 30.92467	4804671.563	279174.749	16	-1 52	19.25	1.00019987		
4- <b>8</b> 9-0:	43 21 25.35088	089 43 15.18573	4803845.317	279502.435	16	-1 52	7.51	1.00019809		
N. 4-89-92	43 21 25.11181	089 43 33.01405	4803851.048	279100.847	16	-1 52	19.76	1.00020027		
OA8-89-0:	43 22 27.09937	089 45 48.46402	4805853.753	276115.000	16	-1 53	55.04	1.00021661		
3-89-02	43 22 25.20462	089 45 48.07900	4805805.012	276121.727	16	-1 53	54.71	1.00021657		
3 <b>-8</b> 9-03	43 22 25.11947	089 45 51.25793	4805804.757	276050.096	16	-1 53	56.89	1.00021697		
DAM-89-01	43 22 23.17978	089 45 50.00865	4805743.984	275076.228	15	-1 53	55.%	1.00021682		
<b>7-89</b> -02	43 22 20.93665	089 45 48.16019	4805673.403	276115.536	16	-1 53	54.61	1.00021661		
3-89-01	43 22 19.82811	089 45 50.47962	4 <b>8056</b> 40.935	276062.200	16	-1 53	56.17	1.00021690		
FTM-69-0:	43 22 18.26689	089 45 50.42056	4805592.726	276061.933	16	-1 53	56.08	1.00021690		

This Page Intentionally Left Blank.

**FUDS PIEZOMETER AND WELL SURVEY DATA** 

W0039213F.APP 6853-12

This Page Intentionally Left Blank.

### •• NO STAPLES PLEASE••

## FACSIMILE HEADER SHEET

HAH
US Army
of Engin

HXII	"Providing	engineering solution	ns to environmental problems"	
US Army (			Primary Fax (all offices)     Other Fax	(612) 290-2256 
St. Paul Distr			(number)	
limm ( Samu)		100		

	- Jonnes Symbol	Telephone No.	Releaser's Signature
evra	20. m.del/ 0.0. 011	612-220-0598	Teny Jorgenson
To (Name)	Office Symbol	Telephone No.	# Pages
2 ett bys	het ABB	207-775-5400	6 milidas const
Subject:		Fax Number:	

BAAP - Summary Sheets

8-207-772-4762

- 1 vertical Surveys completed The attacked summary Sheets have the adjusted elevations for the 114 protes risers or 2" montoring well risers.
  - 6), Hotreontel Surveys Not yet completed,
    - 3, Call Terry Jorgenson for Technical details or additional info.

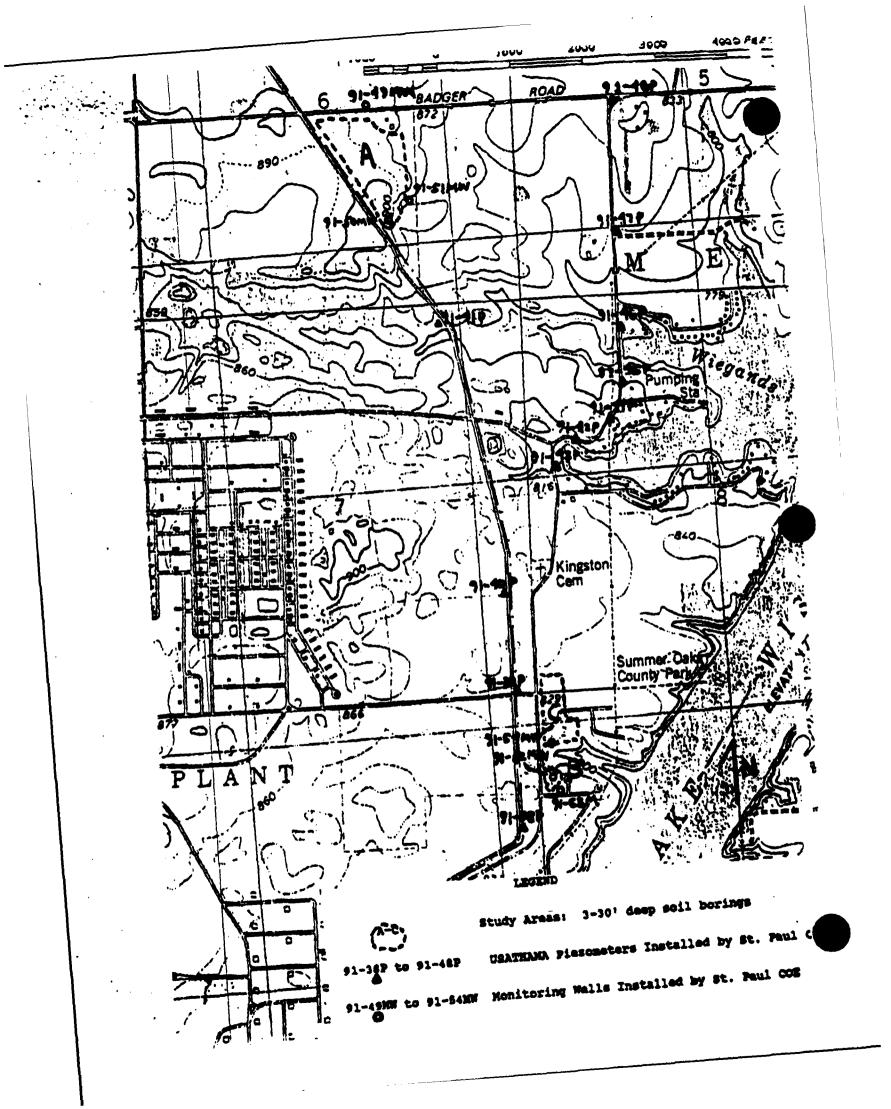
15 Feb 90

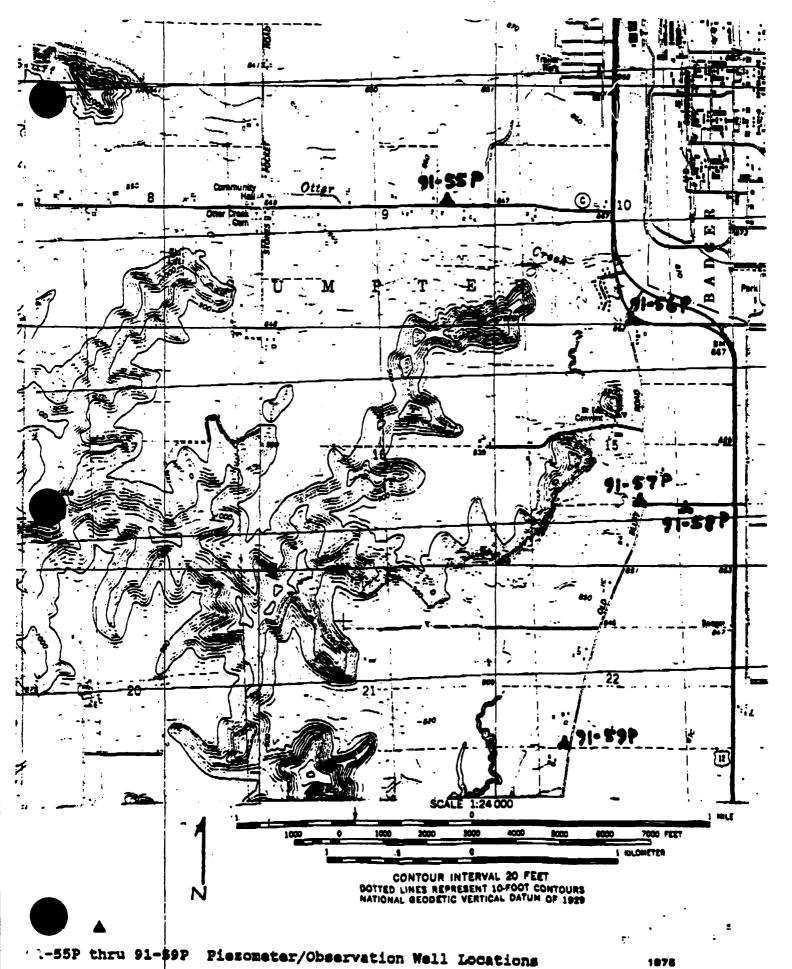
LIST OF PIEZOMETERS

ST. PAUL COE PIEZOMETER DESIGNATION	1-1/4" STEEL	elevation of screened zone	WATER LEVEL. ELEV. AFTER DEVELOPMENT	Date Of Measurement
91-38 P	824.76	765.8 to 770.8	773.2	11-18-91
91-39 P	839.82	766.8 to 771.8	773.4	11-19-91
91-40 P	844.57	768.5 to 773.5	773.9	11-19-91
91-41 P	805.27	774.8 to 777.8	776.0	11-19-91
91-42 P	796.77	764.3 to 769.3	774.4	11-19-91
91-43 P	803.38	763.9 to 768.9	774.4	11-19-91
.91-44 P	814.06	764.1 to 769.1	775.3	11-19-91
91-45 P	789.29	765.7 to 770.7	774.6	11-19-91
91-46 P	780.31	764.2 to 769.2	775.0	11-20-91
91-47 P	813.85	766.2 to 771.2	775.8	11-20-91
91-48 P	846.25	766.1 to 771.1	776.1	11-20-91
91-55 P	845.12	789.1 to 792.1	797.2	11-21-91
91-56 P	.860.51	764.51 to 769.51	775.0	11-20-91
91-57 P	844.90	771.4 to 776.4	777.7	11-20-91
91-58 P	856.13	755.6 to 760.6	765.5	11-20-91
91-59 P	837.34	753.3 to 758.3	759.6	11-15-91

### LIST OF MONITORING WELLS

St. Paul COE Monitoring Well Designation	Elevation of 2" Riser	Elevation of 6" Protective Casing	Elevation of Screen Zone
91-49 MV	891,15	891.28	778.8 to 768.8
91-50 MW	891.23	891.43	778.7 to 768.7
91-51 MW	860,69	860.89	779.6 to 769.6
91-52 MW	830.41	830.56	776.0 to 766.0
91-53 MW	828.40	828.19	776.0 to 766.0
91-54 MW	816,20	616.50	776.0 to 766.0





AMS 3070 : SW-BERIES VOC:

